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**J. GRUBER'S**

BY INDUSTRY WE THRIVE



**HAGERS-TOWN**  
**Town and Country**  
**ALMANACK.**  
**FOR THE YEAR OF OUR LORD**  
**1909.**



HAGERSTOWN, MD., PRINTED BY JOHN GRUBER.

Address all Orders for this Almanack to **THE GRUBER ALMANACK CO., Hagerstown, Md.**

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## Large Multiplication Table.

This Table shows, that the large figures in front of each double row are intended to multiply the small head figures in said row; for instance, the large 9 is followed by 2, 3, 4, 5, 6, 7, &c., until 9, beneath which stands the

increase of each, multiplied by 9, viz: 9 times 2 are 18; 9 times 3 are 27; &c., 9 times 9 are 81, as will be seen at the end of the row; and in the last row 25 times 2 are 50, &c., and at the end 25 times 25 are 625.

|    |   |   |
|----|---|---|
| 2  | 2   | 4   |
| 3  | 2 3   | 6 9   |
| 4  | 2 3 4   | 8 12 16   |
| 5  | 2 3 4 5   | 10 15 20 25   |
| 6  | 2 3 4 5 6   | 12 18 24 30 36  |
| 7  | 2 3 4 5 6 7   | 14 21 28 35 42 49   |
| 8  | 2 3 4 5 6 7 8   | 16 24 32 40 48 56 64  |
| 9  | 2 3 4 5 6 7 8 9   | 18 27 36 45 54 63 72 81   |
| 10 | 2 3 4 5 6 7 8 9 10  | 20 30 40 50 60 70 80 90 100   |
| 11 | 2 3 4 5 6 7 8 9 10 11   | 22 33 44 55 66 77 88 99 110 121   |
| 12 | 2 3 4 5 6 7 8 9 10 11 12  | 24 36 48 60 72 84 96 108 120 132 144  |
| 13 | 2 3 4 5 6 7 8 9 10 11 12 13                                     | 26 39 52 65 78 91 104 117 130 143 156 169   |
| 14 | 2 3 4 5 6 7 8 9 10 11 12 13 14                                  | 28 42 56 70 84 98 112 126 140 154 168 182 196   |
| 15 | 2 3 4 5 6 7 8 9 10 11 12 13 14 15                               | 30 45 60 75 90 105 120 135 150 165 180 195 210 225  |
| 16 | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16                            | 32 48 64 80 96 112 128 144 160 176 192 208 224 240 256  |
| 17 | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17                         | 34 51 68 85 102 119 136 153 170 187 204 221 238 255 272 289                                   |
| 18 | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18                      | 36 54 72 90 108 126 144 162 180 198 216 234 252 270 288 306 324                               |
| 19 | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19                   | 38 57 76 95 114 133 152 171 190 209 228 247 266 285 304 323 342 361                           |
| 20 | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20                | 40 60 80 100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400                      |
| 21 | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21             | 42 63 84 105 126 147 168 189 210 231 252 273 294 315 336 357 378 399 420 441                  |
| 22 | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22          | 44 66 88 110 132 154 176 198 220 242 264 286 308 330 352 374 396 418 440 462 484              |
| 23 | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23       | 46 69 92 115 138 161 184 207 230 253 276 299 322 345 368 391 414 437 460 483 506 529          |
| 24 | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24    | 48 72 96 120 144 168 192 216 240 264 288 312 336 360 384 408 432 456 480 504 528 552 576      |
| 25 | 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 | 50 75 100 125 150 175 200 225 250 275 300 325 350 375 400 425 450 475 500 525 550 575 600 625 |

A TABLE, showing the times of the revolutions of the Planets round the Sun, their distance and size.

| SUN.....     |                    | 1,245,000 times       |                    |
|--------------|--------------------|-----------------------|--------------------|
| MERCURY..... | Revolves round Sun | DAYS. 87.969          | 35                 |
| VENUS.....   | in                 | 224.741               | 66                 |
| EARTH.....   |                    | 365.256               | 91 1/2             |
| MARS.....    |                    | 686.979               | 140                |
| ASTEROIDS    |                    | Mean distance fr. Sun | millions of miles. |
| JUPITER..... | 4932.585           | 476                   | 1400 times         |
| SATURN.....  | 10759.320          | 872                   | 750 "              |
| URANUS.....  | 30689.831          | 1754                  | 73 "               |
| NEPTUNE..... | 60126.722          | 2750                  | 162 "              |

as large as the earth.  
The moon revolves round the earth in 27 days, 7 hours, and 43 min.—her distance 240 thousand miles—her size is one-thirtieth that of the earth.

The Hagerstown Town and County

# ALMANAC

FOR THE YEAR OF OUR LORD

## 1909.

Being the 134th of the Independence of the United States and a Year of 365 Days.

ARRANGED AFTER THE SYSTEM OF THE GERMAN CALENDAR CONTAINING

The rising, setting, and Eclipses of the Sun and Moon; the phases of the Moon; the aspects of the planets; the rising, setting of the most conspicuous planets and fixed stars; the equation of variety of useful and entertaining matter, anecdotes, a list of Courts,

*Carefully calculated for the Horizon of Maryland, but will serve the adjacent States, without material variation.*

ORIGINAL CALCULATION BY WILL R. IBACH,

SON OF LAWRENCE J. IBACH  
(COPYRIGHT SECURED.)

NOTICE!—The publication of the "Hagerstown Town and County Almanack," I mean, will be continued by the family of Mr. John Gruber, deceased, under the business name of *The Gruber Almanack Co.*, of Hagerstown. All communications and orders to be addressed to *The Gruber Almanack Co.*, Hagerstown, Md. In every respect the Almanack will be as heretofore. Hagerstown, Md., July, 1908. (Signed.) E. H. GANS, M. H. FISHER, C. E. C. M. WOLFF, K. D. MARRIOTT, E. F. Trading as J

THE CALCULATION OF THIS ALMANACK IS MADE TO SOLAR OR APPARENT TIME. This Almanack is calculated for Hagerstown, Md., local time; to get 75th which is the standard used by Railroads, set your clocks ahead 10 minutes an

PRINTED AT THE OFFICE OF "THE HAGERSTOWN MAIL," HAGERSTOWN, MD.

HAGERSTOWN, MD.

Printed and sold by THE GRUBER ALMANACK CO

Where German Almanacks are also to be had.

IT MAY CONCERN.—This is to CHIEF. That we have authorized THE ALMANACK, of Hagerstown, Md., to publish the "Hagerstown Town and County Almanack," in other persons from publishing any edition of the same. The Copy Right secured from us in the Patent Office February 3, 1874. Signed, JOHN GRUBER.

There will be four Eclipses, two of the Sun and two of the Moon. For a statement of the date of the second January page of this Almanack, the customary space is reserved for the publication of the same. The Copy Right secured from us in the Patent Office February 3, 1874. Signed, JOHN GRUBER.

CHRONOLOGICAL CYCLES.

|          |    |                               |      |
|----------|----|-------------------------------|------|
| February | 7  | Dominical Letter              | C    |
| February | 21 | Lunar Cycle, or Golden Number | 10   |
| February | 23 | Epsel                         | 8    |
| February | 24 | Solar Cycle                   | 14   |
| April    | 4  | Roman Indiction               | 7    |
| April    | 11 | Julian Period                 | 6922 |
| May      | 29 |                               |      |
| May      | 30 |                               |      |
| June     | 6  |                               |      |
| June     | 10 |                               |      |
| November | 28 |                               |      |
| November | 24 |                               |      |

EMBER DAYS.  
1st. On March 3, 5, 6.  
2d. On June 2, 4, 5.  
3rd. On September 15, 17, 18.  
4th. On December 15, 17, 18.

which Era with their year 5670 commences the 15th of September, 1909.

Manumetian Era with their year 1327 commences the 23rd of January, 1909.

THE FOUR SEASONS or CARDINAL POINTS.

☉ enters ♈ the 21st of March, 1 o'clock, Morning.

☉ enters ♋ the 21st of June, 9 o'clock, Evening.

☉ enters ♌ the 23rd of September, 12 o'clock, Noon.

☉ enters ♍ the 22d of December, 6 o'clock, Morning.

SATURN ♄ is called the Governing Planet this year.

in this Almanack are made to Solar or apparent Time; to which add the Equation in which the Sun is slow, and subtract when it is fast, for Mean or Clock Time.

Calculated expressly for Hagerstown, Md.

HARACTERS OF THE CONSTELLATIONS:

♌ Leo, the lion.

♍ Virgo, the virgin.

♎ Libra, the balance.

♏ Scorpio, the scorpion.

♐ Sagittarius, the bowman.

♑ Capricornus, the goat.

♒ Aquarius, the butler.

♓ Pisces, the fishes.

ASTRONOMICAL CHARACTERS EXPLAINED.

☉ Full Moon.

☾ First Quarter.

☾ Last Quarter.

☾ Moon's Descension.

☾ Moon in apogee, furthest from the earth.

☾ Moon in perigee, nearest to the earth.

PLANETS AND ASPECTS.

♂ Mars.

♃ Jupiter.

♄ Saturn.

♁ Herschel.

♆ Neptune.

♃ Conjunction, or planets in the same longitude.

♃ Sextile, when they are 60 degrees apart.

♃ Quartile, when they are 90 degrees distant.

♃ Trine, when they are 120 degrees distant.

♃ Opposition, when they are 180 degrees apart.

| table   | 8      | 9      | 10     | 11     | 12       | 13     | 14     | 15       | 16     | 17     | 18       | 19     | 20     | 21       | 22     | 23     | 24       | 25     | 26     | 27       | 28     | 29     | 30       | 31     |
|---|--------|--------|--------|--------|----------|--------|--------|----------|--------|--------|----------|--------|--------|----------|--------|--------|----------|--------|--------|----------|--------|--------|----------|--------|
| Year  | 8 17   | 2 48   | 9 58   | 7 10   | 10 1     | 7 10   | 9 58   | 7 10     | 10 1   | 7 10   | 9 58     | 7 10   | 10 1   | 7 10     | 9 58   | 7 10   | 10 1     | 7 10   | 9 58   | 7 10     | 10 1   | 7 10   | 9 58     | 7 10   |
| Seth  | 9 8    | 3 55   | 23 9   | 23 9   | 5 16     | 23 9   | 23 9   | 5 16     | 23 9   | 23 9   | 5 16     | 23 9   | 23 9   | 5 16     | 23 9   | 23 9   | 5 16     | 23 9   | 23 9   | 5 16     | 23 9   | 23 9   | 5 16     | 23 9   |
| <p>after New Year. <i>Matt.</i> 2. Day's length 9 hours 14 min.</p> |        |        |        |        |          |        |        |          |        |        |          |        |        |          |        |        |          |        |        |          |        |        |          |        |
| th  | 10 0   | 5 4    | 7 10   | 7 10   | 9 58     | 7 10   | 9 58   | 7 10     | 9 58   | 7 10   | 9 58     | 7 10   | 9 58   | 7 10     | 9 58   | 7 10   | 9 58     | 7 10   | 9 58   | 7 10     | 9 58   | 7 10   | 9 58     | 7 10   |
| usulem  | 10 53  | 6 5    | 19 1/2 | 19 1/2 | 11 21    | 19 1/2 | 19 1/2 | 11 21    | 19 1/2 | 19 1/2 | 11 21    | 19 1/2 | 19 1/2 | 11 21    | 19 1/2 | 19 1/2 | 11 21    | 19 1/2 | 19 1/2 | 11 21    | 19 1/2 | 19 1/2 | 11 21    | 19 1/2 |
| m   | 11 46  | 7 5    | 17 1/2 | 17 1/2 | 7 10     | 17 1/2 | 17 1/2 | 7 10     | 17 1/2 | 17 1/2 | 7 10     | 17 1/2 | 17 1/2 | 7 10     | 17 1/2 | 17 1/2 | 7 10     | 17 1/2 | 17 1/2 | 7 10     | 17 1/2 | 17 1/2 | 7 10     | 17 1/2 |
| shany   | inorn. | Drises | 13 1/2 | 13 1/2 | 6 10     | 13 1/2 | 13 1/2 | 6 10     | 13 1/2 | 13 1/2 | 6 10     | 13 1/2 | 13 1/2 | 6 10     | 13 1/2 | 13 1/2 | 6 10     | 13 1/2 | 13 1/2 | 6 10     | 13 1/2 | 13 1/2 | 6 10     | 13 1/2 |
| re  | 12 39  | 5 59   | 26 8   | 26 8   | gr. Hel. | 26 8   | 26 8   | gr. Hel. | 26 8   | 26 8   | gr. Hel. | 26 8   | 26 8   | gr. Hel. | 26 8   | 26 8   | gr. Hel. | 26 8   | 26 8   | gr. Hel. | 26 8   | 26 8   | gr. Hel. | 26 8   |
| urd   | 1 30   | 6 57   | 9 58   | 9 58   | Capella  | 9 58   | 9 58   | Capella  | 9 58   | 9 58   | Capella  | 9 58   | 9 58   | Capella  | 9 58   | 9 58   | Capella  | 9 58   | 9 58   | Capella  | 9 58   | 9 58   | 9 58     | 9 58   |
| tu  | 2 18   | 7 58   | 23 9   | 23 9   | rises    | 5 27   | 23 9   | 23 9     | 5 27   | 23 9   | 23 9     | 5 27   | 23 9   | 23 9     | 5 27   | 23 9   | 23 9     | 5 27   | 23 9   | 23 9     | 5 27   | 23 9   | 23 9     | 5 27   |

| ay after Epiphany. | Inke 2. | Day's length | 9 hours | 22 min.              |
|--------------------|---------|--------------|---------|----------------------|
| T's emp.           | 3 3     | 8 56         | 7 1/2   | rises 3 54           |
| gnus               | 3 46    | 9 54         | 20      | in Apo. 24 1/2       |
| eloid              | 4 27    | 10 53        | 15      | sets 10 41           |
| onica              | 5 8     | 11 52        | 15      | Arecturus south 11 2 |
| x                  | 5 49    | inorn.       | 28      | 14. Aldeba. S. 8 42  |
| rice               | 6 31    | 12 51        | 10      | Sirius south 10 50   |
| cellus             | 7 15    | 1 51         | 23 9    | rises 5 38           |

| ay after Epiphany. | John 2. | Day's length | 9 hours | 32 min.              |
|--------------------|---------|--------------|---------|----------------------|
| nkleb.             | 8 4     | 2 24         | 9       | gr. libr. E. 5 58    |
| hony               | 8 56    | 3 27         | 22      | rises 8 51           |
| th                 | 9 53    | 4 34         | 2 1/2   | Canopus 10 26        |
| Sebast.            | 10 54   | 5 49         | 15      | gr. libr. S. 11 21   |
| res                | 11 56   | sets         | 27      | Per. 9 rises 5 58    |
| icent              | Ev 58   | 5 58         | 25      | in Per. 9 rises 5 58 |
| crentia            | 1 57    | 7 15         | 25      | in Per. 9 rises 5 58 |

| ay after Epiphany. | Matt. 8. | Day's length | 9 hours | 46 min.               |
|--------------------|----------|--------------|---------|-----------------------|
| iothy              | 2 53     | 8 29         | 7       | Regulus south 10 38   |
| ul's Con.          | 3 46     | 9 43         | 19 1/2  | rises 3 28            |
| yearpus            | 4 36     | 10 56        | 1       | gr. libr. E. 5 58     |
| hrysost            | 5 26     | 11 59        | 13 1/2  | rises 8 12            |
| lemagne            | 6 15     | inorn.       | 27      | Pollux S. 11 9        |
| Kinleyb            | 7 5      | 12 43        | 12      | gr. libr. W. 13 7     |
| elgunda            | 7 56     | 1 49         | 24      | gr. libr. b sets 9 36 |

Sunday after Epiphany. *Matt.* 8. Day's length 10 hours. 14 17 05 0 18

**MOON'S PHASES.**  
Full Moon, the 6th, at 9 o'clock 12 minutes in the forenoon.  
Last Quarter, the 14th, at 1 o'clock 11 minutes in the afternoon.  
New Moon, the 21st, at 7 o'clock 11 minutes in the evening.  
First Quarter, the 28th, at 10 o'clock 7 minutes in the forenoon.  
*Conjecture of the Weather.*  
1, 2, 3, fair and cold; 4, 5, variable; 6, 7, cold and rainy; 8, 9, 10, fair; 11, 12, variable; 13, 14, 15, snow or rain; 16, 17, clear and cold; 18, 19, 20, clear; 21, 22, 23, fair and cold; 24, 25, misty; 26, 27, 28, windy; 29, 30, 31, clear and cold.

**COURT OF APPEALS OF MARYLAND**  
APRIL TERM, 1906.  
**THE GRUBER ALMANACK COMPANY**  
vs.  
**OTHO SWINGLEY.**

By the decision of the Court of Appeals in the above case the injunction against Otho Swingley is sustained, and he is prohibited from publishing, circulating or selling an almanack designated as J. C. Gruber's Hagerstown Town and Country Almanack, and also from publishing or circulating, or causing to be published or circulated, any other almanack in colorable imitation of the J. Gruber's Hagerstown Town and Country Almanack calculated to deceive and impose upon the public, and to create in their minds the belief that such almanack is really and truly the J. Gruber's Hagerstown Town and Country Almanack.  
**THE FRONT AND BACK COVERS AS WELL AS THE CONTENTS OF THIS ALMANACK ARE PROTECTED. ALL INFRINGEMENTS WILL BE PROSECUTED.**  
Buy only the Genuine  
**J. GRUBER'S**  
**HAGERS-TOWN TOWN AND COUNTRY ALMANACK**  
PUBLISHED BY  
**THE GRUBER ALMANACK CO.,**  
HAGERSTOWN, MD.  
Eclipse for the Year 1909.  
In the year 1909 there will be four Eclipses: two of the Sun and two of the Moon.  
I. A Total Eclipse of the Moon, the beginning visible, the Moon rising eclipsed, the beginning visible generally in South America, Africa, Europe and southwestern Asia; the ending visible generally



in Africa, central and western Europe, South America and North America, except the northern portion.  
**CIRCUMSTANCES OF THE ECLIPSE.**  
(Eastern Standard Time.)  
Total eclipse begins June 3, 7 o'clock, 58 1/2 minutes a. m.  
Middle of the eclipse, June 3, 8 o'clock, 28 1/2 minutes a. m.  
Total eclipse ends June 3, 8 o'clock, 50 1/2 minutes a. m.  
Magnitude of the Eclipse = 1.01.  
Diameter = 1.0.

II. A Central Eclipse of the Sun, June 1, 1909. A Partial Eclipse of the Sun setting eclipse as a Central Eclipse will begin as an Annular Eclipse in a few seconds to a Total Eclipse will remain so until within a fraction of an hour of its end, when it will change back to an Eclipse. Eclipse begins 4:28 p. m.  
III. A Total Eclipse of the Moon, N 27, visible. The beginning visible generally in North and South America and northeast of the ending visible generally in North America, eastern and northern South America, eastern and Asia and Australia.  
**CIRCUMSTANCES OF THE ECLIPSE**  
(Eastern Standard Time.)  
Total Eclipse begins November 27, 3 minutes a. m.  
Middle of the Eclipse November 27, 3 minutes a. m.  
Total Eclipse ends November 27, 4 minutes a. m.  
Magnitude of the Eclipse = 1.372  
Diameter = 1.0.

IV. A Partial Eclipse of the Sun, De visible in America, visible in New Zealand, Tasmania and regions near the South 1909.  
**Morning and Evening Star**  
**Morning**—Venus, until April 28; Jupiter, until February 18; Saturn, after April 1, in September; Mercury, February 12 to June 4; October 12; after December 3.  
**Evening**—Venus, after April 28; September 24; Jupiter, after February 13; Saturn, until April 1; Mercury, to February 12; June 4; October 12 to December 3.

**Was awarded GOLD**  
**Award**—at the Lewis and Clark Exposition, Portland, Oregon

**U. S. CREAM SEPARATOR**  
See top of Page 28.

MOON'S PHASES.

Full Moon, the 5th, at 3 o'clock 24 minutes in the morning.  
 Last Quarter, the 13th, at 7 o'clock 46 minutes in the morning.  
 New Moon, the 20th, at 5 o'clock 52 minutes in the morning.  
 First Quarter, the 26th, at 9 o'clock 49 minutes in the evening.

Conjecture of the Weather.

1, 2, cloudy; 3, 4, cold; 5, 6, 7, variable with snow; 8, 9, 10, North-west cold; 11, 12, 13, stormy; 14, 15, cold; 16, 17, 18, fair; 20, 21, rain; 22, 23, cold; 24, 25, variable; 26, 27, snow; 28, clear.  
 Jupiter (♃) is in opposition with the Sun on the 28th, and shines all night.

Planets' Greatest Brilliance.

Mercury rises before the Sun March 9, July 8, October 28, sets after the Sun January 26, May 20, September 17; Jupiter, February 28; Mars, September 24; Saturn, October 13; Venus, December 2.

CURIOUS FACTS

In the village of Millbeck, near Keswick, England, is a most curious freak of Nature. Two trunks rise on each side of a spring of clear water, and join together three feet above, forming one tree.

There are no orphanages in Australia. Every child not supported by parents becomes a ward of the State, is placed in a private family, and provided with board and clothes until the 14th birthday.

The highest bridge in the world, beyond any question, is the steel structure over the Zambesi Falls, Africa. It is somewhat similar to the bridge at Niagara Falls, and spans the great rapids much as does the structure in America. The African bridge, however, is not only much longer, but much higher than that at Niagara.

Canton, China, possesses the quietest street in the world. It is roofed in with glazed paper, fastened on bamboo, and contains more signboards to the square foot than any street in any other country. It contains no other shops but those of apothecaries and dentists. Physic street is its appropriate name.

Japan is a land without the domestic animals. It is this lack that strikes the stranger so forcibly in looking upon Japanese landscapes. There are no



cows—the Japanese neither drink meat. There are but a few horses imported mainly for the use of the freight cars in the city streets are pulled by coolies, and the pleasure carrying men. There are but few dogs, and used as watchdogs, beasts of burden except by foreigners.

There are no sheep in Japan, and in clothing, silk and cotton being the are no pigs; pork is an unknown article is not used in cooking. There are mules nor donkeys. Wild animals ever, and, in particular, bears of

At quaint, old Castletown (the 'me Isle of Man) exists a very interesting has now performed its functions of five centuries. It was presented by both in the year 1597 to Castle Rush which stands in the middle of Ca which the town takes its name. crude, being driven by ropes and pull tholes, they keep fair time. The ci run ever since it was built, except for for repairs. To this day the singl travels slowly round the dial outsid Castle Rushen is the principal soure as to the hour to the inhabitants of ( timepiece which has worked continu than three hundred years is somet curiosity.

A scientist of the Public Health and Service, while examining the conditic mac River, has made an interesting the effect of rain in increasing the crobes in the stream. After a har several days, it was found that the about six times as numerous in Pot they were before the rain, and when i again the number of microbes rabi The increase, it is believed, came fro and the land, but in this case, fo microbes were all of harmless spec

Holds the WORLD'S RECORD Skimming .0138 of one per cent secutive, separate runs.

U. S. CREAM SEPARATOR See top of Page 28.

FEBRUARY, 2d Month.

| Star    | Mo. South. h. m. | Mo. r. & s. h. m. | Mo. s. pl. nom. sig. deg. | Aspects of Planets, and other miscellaneous matter. | Sun sets. h. m. | Sun rises. h. m. | O. style. h. m. |
|---------|------------------|-------------------|---------------------------|---|-----------------|------------------|-----------------|
| Astus   | 9 41             | 4 1               | 22 2                      | stationary. δ sets 3 23                             | 14 6 59         | 5 1              | 1 19            |
| Allemas | 10 33            | 4 59              | 6 5                       | ♃♄♃. Sirius south 9 34                              | 14 6 58         | 5 2              | 2 20            |
| Astus   | 11 24            | 5 53              | 22 7                      | * south 6 32  | 14 6 57         | 5 3              | 3 21            |
| ert     | morn.            | 6 40              | 5 5                       | ♀ rises 6 9   | 14 6 56         | 5 4              | 4 22            |
| tha     | 12 13            | 7 rises           | 22 5                      | ♃♄♃. Orion south 8 30                               | 14 6 55         | 5 5              | 5 23            |
| othy    | 12 59            | 6 51              | 4 5                       | ♃ set 9 24  | 14 6 54         | 5 6              | 6 24            |

Day's length 10 hours 14 min.

| Star     | Mo. South. h. m. | Mo. r. & s. h. m. | Mo. s. pl. nom. sig. deg. | Aspects of Planets, and other miscellaneous matter. | Sun sets. h. m. | Sun rises. h. m. | O. style. h. m. |
|----------|------------------|-------------------|---------------------------|---|-----------------|------------------|-----------------|
| Arcturus | 1 43             | 7 46              | 18 2                      | ♃♄♃. ♃ rises 7 22                                   | 14 6 53         | 5 7              | 7 25            |
| Arcturus | 2 25             | 8 45              | 2 0                       | ♃ in Apo. ♃ rises 3 22                              | 14 6 52         | 5 8              | 8 26            |
| Arcturus | 3 5              | 9 44              | 14 3                      | ♃♄♃. ♃ rises 10 2                                   | 14 6 51         | 5 9              | 9 27            |
| Arcturus | 3 45             | 10 40             | 26 8                      | ♃ gr. Hel. Lat. north                               | 14 6 50         | 5 10             | 10 28           |
| Arcturus | 4 26             | 11 41             | 5 12                      | ♃♄♃. ♃ inferior                                     | 14 6 49         | 5 11             | 11 29           |
| Arcturus | 5 9              | morn.             | 24 2                      | ♃♄♃. ♃ rises 6 11                                   | 14 6 47         | 5 13             | 13 30           |
| Arcturus | 5 54             | 12 41             | 9 9                       | ♃♄♃. ♃ in ♃. ♃ sets 8 53                            | 14 6 46         | 5 14             | 14 31           |

Day's length 10 hours 32 min.

| Star     | Mo. South. h. m. | Mo. r. & s. h. m. | Mo. s. pl. nom. sig. deg. | Aspects of Planets, and other miscellaneous matter. | Sun sets. h. m. | Sun rises. h. m. | O. style. h. m. |
|----------|------------------|-------------------|---------------------------|---|-----------------|------------------|-----------------|
| Arcturus | 6 43             | 1 6               | 23 2                      | ♃♄♃. ♃ libration east                               | 14 6 44         | 5 16             | 16 40           |
| Arcturus | 7 37             | 2 14              | 3 3                       | ♃♄♃. ♃ rises 3 21. ♃                                | 14 6 43         | 5 17             | 17 41           |
| Arcturus | 8 34             | 3 21              | 15 2                      | ♃♄♃. ♃ rises 6 49                                   | 14 6 42         | 5 18             | 18 42           |
| Arcturus | 9 35             | 4 22              | 29 4                      | ♃♄♃. Denebola south 2                               | 14 6 41         | 5 19             | 19 43           |
| Arcturus | 10 37            | 5 25              | 11 5                      | ♃♄♃. ♃ rises 6 26                                   | 14 6 39         | 5 21             | 21 44           |
| Arcturus | 11 38            | 6 16              | 25 6                      | ♃♄♃. ♃ enters ♃                                     | 14 6 38         | 5 22             | 22 45           |
| Arcturus | 12 36            | 7 7               | 36 7                      | ♃♄♃. ♃ in ♃. ♃ sets 6 52                            | 14 6 37         | 5 23             | 23 46           |

Day's length 10 hours 48 min.

| Star     | Mo. South. h. m. | Mo. r. & s. h. m. | Mo. s. pl. nom. sig. deg. | Aspects of Planets, and other miscellaneous matter. | Sun sets. h. m. | Sun rises. h. m. | O. style. h. m. |
|----------|------------------|-------------------|---------------------------|---|-----------------|------------------|-----------------|
| Arcturus | 1 21             | 7 22              | 19 8                      | ♃♄♃. ♃ rises 8 37                                   | 14 6 36         | 5 24             | 24 47           |
| Arcturus | 2 25             | 8 37              | 2 3                       | ♃♄♃. ♃ sets 8 29                                    | 13 6 34         | 5 26             | 26 48           |
| Arcturus | 3 17             | 9 51              | 14 8                      | ♃ stationary. ♃ rises 3 14                          | 13 6 33         | 5 27             | 27 49           |
| Arcturus | 4 8              | 11 4              | 28 4                      | ♃ rises 6 5   | 13 6 32         | 5 28             | 28 50           |
| Arcturus | 5 0              | morn.             | 8 8                       | ♃ rises 6 10  | 13 6 31         | 5 29             | 29 51           |
| Arcturus | 5 52             | 12 14             | 22 26                     | ♃ gr. libr. west                                    | 13 6 29         | 5 31             | 31 52           |
| Arcturus | 6 44             | 12 48             | 7 7                       | ♃♄♃. ♃ Pollux S. 9 10. ♃ in ♃                       | 13 6 28         | 5 32             | 32 53           |

Day's length 11 hours 6 min.

| Star     | Mo. South. h. m. | Mo. r. & s. h. m. | Mo. s. pl. nom. sig. deg. | Aspects of Planets, and other miscellaneous matter. | Sun sets. h. m. | Sun rises. h. m. | O. style. h. m. |
|----------|------------------|-------------------|---------------------------|---|-----------------|------------------|-----------------|
| Arcturus | 7 38             | 1 51              | 21 8                      | ♃♄♃. ♃ south 8 50                                   | 13 6 27         | 5 33             | 33 54           |

| Markable Days. | Moon South. h. m. | Moon's r. & s. h. m. | Moon's pl. deg. sig. deg. | Aspects of Planets, and other miscellaneous matter. | Sun's r. h. m. | Sun's s. h. m. | Sun's act. h. m. |
|----------------|-------------------|----------------------|---------------------------|---|----------------|----------------|------------------|
| David          | 8 30              | 2 54                 | ♌ 6                       | ♄ south 12 8  | 13 6           | 25 5           | 35 16            |
| mplicius       | 9 21              | 3 50                 | ♌ 18                      | ♄ rises 3 7   | 12 6           | 24 5           | 36 17            |
| ember Day      | 10 10             | 4 49                 | ♌ 5                       | ♄ rises 6 7   | 12 6           | 23 5           | 37 18            |
| hrian          | 10 57             | 5 9                  | ♌ 17                      | ♄ in Aphelion                                       | 12 6           | 21 5           | 39 19            |
| ederick        | 11 41             | 5 53                 | ♌ 0                       | ♄ in ♂. Sirius S. 7 55                              | 12 6           | 20 5           | 40 20            |
| idolin         | morn.             | Drises 14            | ♌ 14                      | ♄. ♂♄ at 4 41                                       | 11 6           | 19 5           | 41 21            |

*Monday in Lent.* *Math. 15.* Day's length 11 hours 26 min.

|           |       |       |      |                              |      |      |       |
|-----------|-------|-------|------|------------------------------|------|------|-------|
| appetua   | 12 23 | 6 37  | ♌ 27 | ♄ in Apo. Castor S. 8 38     | 11 6 | 17 5 | 43 22 |
| nilemon   | 1 4   | 7 34  | ♌ 9  | ♄ sets 7 47                  | 11 6 | 15 5 | 45 23 |
| udentia   | 1 44  | 8 32  | ♌ 23 | ♄ gr. elong. W. ♄ rises 5 22 | 11 6 | 14 5 | 46 24 |
| pollonius | 2 25  | 9 32  | ♌ 5  | ♄ rises 6 3                  | 11 6 | 13 5 | 47 25 |
| ilius     | 3 7   | 10 32 | ♌ 19 | ♄ rises 2 54                 | 10 6 | 12 5 | 48 26 |
| regory    | 3 51  | 11 36 | ♌ 1  | ♄ south 11 20                | 10 6 | 11 5 | 49 27 |
| acedon    | 4 37  | morn. | ♌ 13 | ♄ Spica rises 8 19           | 10 6 | 10 5 | 50 28 |

*Monday in Lent.* *Luke 11.* Day's length 11 hours 44 min.

|            |       |       |      |                            |      |     |       |
|------------|-------|-------|------|----------------------------|------|-----|-------|
| achariah   | 5 38  | 12 39 | ♌ 27 | ♄ 14. ♄ gr. lib. E. ♄ in ♂ | 10 6 | 8 5 | 52 29 |
| aristopher | 6 22  | 1 9   | ♌ 9  | ♄ sets 7 18                | 9 6  | 7 5 | 53 3  |
| yprianus   | 7 19  | 2 12  | ♌ 23 | ♄ in Aphelion. ♂♄          | 9 6  | 6 5 | 54 3  |
| Patrick    | 8 19  | 3 11  | ♌ 7  | ♄ rises 5 58               | 9 6  | 5 5 | 55 4  |
| nshelmus   | 9 18  | 4 4   | ♌ 20 | ♄ rises 2 48               | 8 6  | 4 5 | 56 5  |
| Joseph     | 10 17 | 4 51  | ♌ 2  | ♄. Procyon south 7 47      | 8 6  | 3 5 | 57 6  |
| atrona     | 11 14 | 5 33  | ♌ 15 | ♄ at 7 52                  | 8 6  | 1 5 | 59 7  |

*Monday in Lent.* *John 6.* Day's length 12 hours 0 min.

|           |      |           |      |                             |     |      |      |
|-----------|------|-----------|------|-----------------------------|-----|------|------|
| enedict   | Ev 8 | ♄ sets 29 | ♌ 29 | ♄ 21. ♄ in Reg. ♄ sets 6 55 | 7 6 | 0 6  | 0 8  |
| ulina     | 1 2  | 7 25      | ♌ 11 | ♄. ♄ sets 6 55 [equal]      | 7 5 | 59 6 | 1 9  |
| lphonus   | 1 55 | 8 41      | ♌ 24 | ♄ rises 2 44                | 7 5 | 58 6 | 2 10 |
| abriel    | 2 48 | 9 54      | ♌ 8  | ♄ rises 5 49                | 6 5 | 56 6 | 4 11 |
| na. V. M. | 3 41 | 11 7      | ♌ 20 | ♄ stationary                | 6 5 | 54 6 | 6 12 |
| manuel    | 4 36 | morn.     | ♌ 2  | ♄. ♄ gr. Hel. I. at. so.    | 6 5 | 52 6 | 8 13 |
| stavus    | 5 31 | 12 34     | ♌ 14 | ♄ gr. libration W. ♄ in ♂   | 5 5 | 51 6 | 9 14 |

*Monday in Lent.* *John 8.* Day's length 12 hours 20 min.

|          |      |      |      |                     |     |      |       |
|----------|------|------|------|---------------------|-----|------|-------|
| ideon    | 6 25 | 1 11 | ♌ 26 | ♄ 28. ♄ south 10 10 | 5 5 | 50 6 | 10 15 |
| ustasius | 7 17 | 1 46 | ♌ 8  | ♄. ♄ Regulus 9 36   | 5 5 | 49 6 | 11 16 |
| uido     | 8 7  | 2 35 | ♌ 20 | ♄ sets 6 29         | 5 5 | 47 6 | 13 17 |
| ethaus   | 8 55 | 3 20 | ♌ 2  | ♄ rises 2 31        | 4 5 | 45 6 | 15 18 |

MOON'S PHASES.

Full Moon, the 6th, at 9 o'clock 55 minutes in the evening.  
 Last Quarter, the 14th, at 10 o'clock 41 minutes in the evening.  
 New Moon, the 21st, at 3 o'clock 11 minutes in the afternoon.  
 First Quarter, the 28th, at 11 o'clock 48 minutes in the forenoon.

Conjecture of the Weather.

1, 2, 3, clear; 4, 5, cloudy; 6, 7, rain; 8, 9, fair; 10, 11, 12, cold; 13, 14, 15, fair; 16, 17, misty; 18, 19, rainy; 20, 21, 22, mild; 23, 24, 25, 26, fair and warm; 27, 28, 29, windy; 30, 31, clear and pleasant.

POULTRY NOTES

When the combs of the fowls begin to droop, and look pale and limp, better sort them out and get hens with nice, bright combs.  
 It is the singing hen that does a good day's work. Same way with men folks.  
 Change the diet of the hens often. None of us likes to live all the time on pudding and milk, good as they are.

About the surest way to fail is to crowd too many hens into one coop. It never paid. It never will. Kind of hard work to wash eggs, but they look so much better when you offer them for sale.  
 Use some animal food every day, but have it good. Have the feed boxes high enough from the floor so that you can sweep under them. Sure to be a lot of litter there.  
 Hens do not like to pick their shells out of a box half full of straw and cobs. Keep the shells clean by putting the box up where the litter will not get into it.

Expect to learn something about the chickens every day.  
 For market chickens it is well to give plenty of corn, and as the time draws near for killing do not feed much bran or wheat. The market wants yellow meat. Corn and corn meal give this yellow meat, while bran and wheat have a tendency to make white meat.

"Plumping" is done by dipping the fowls ten seconds in water nearly or quite boiling hot, and then immediately in cold water. Hang in a cool place until the animal heat is entirely out of the body.  
 Turkeys shrink about one-third in dressing.  
 The life of a turkey's usefulness is about five years.

It is hard to distinguish the sex of Guinea fowls. Some claim that the male chatters in a quick manner, while the female gives off a sound like "Otrrack," or "Joe Pratt," or "Buckwhheat." The male gives a sound similar to a screech turned into laugh.

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See top of Page 28.



For mild attacks of indigestion there is no reason to suppose the quality of food, there is nothing the fowls go without food, except one or two days, then feeding is fed hens the digestive system. The poultry-keeper has to judge feed, not by someone else's rest his own yards. To get good production we must feed heavily we are always running down the digestive systems by poultryman should watch digestion, especially lack of appetite, the bowels, and when such symptoms go without grain for a few days the case may seem to require. This point is the best prevent orders. A good plan is to omit regular thing, and give the fowls Sunday.

Relative to the feeding of wet an experienced poultryman says to force the birds to heavy egg cooked mash, but when I want bodied eggs, eggs that will hatch of strong, vigorous chicks, I use a dry mash and all dry eggs that will hatch.

A hen should lay ten dozen eggs keep her in large numbers it she year. As to the breed, the Legh as they do not make large eggs.

It costs about a cent each to keep in a fresh condition held longer than one week.

The color of the shell is a flavor of the egg.

Four to six pound roasters sell for broilers.

Three pounds to the pair is for broilers.

It costs about four eggs to make Butter won GRAND SWI the Maine, New Hampshire State Dairymen's Convention

| Aspect of Planets, and other miscellaneous matter. | Moons' p. zoon. sig. deg. | Sun rises. h. m. | Sun sets. h. m. | Style. |
|--|---------------------------|------------------|-----------------|--------|
|  |                           | 4 5              | 4 6             | 10 19  |
| e  | 3 56                      | 13 21            | 16 53           |        |
| ia   | 10 22                     | 4 24             | 4 40            | 17 20  |
| id   | 11 3                      | 4 55             | 4 26            | 18 21  |

Day's length 12 hours 40 min.

| Day  | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24   | 25   | 26   | 27   | 28   |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| sun. | 4 17 | 4 16 | 4 15 | 4 14 | 4 13 | 4 12 | 4 11 | 4 10 | 4 9  | 4 8  | 4 7  | 4 6  | 4 5  | 4 4  | 4 3  | 4 2  | 4 1  | 4 0  |
| lon. | 5 12 | 5 11 | 5 10 | 5 9  | 5 8  | 5 7  | 5 6  | 5 5  | 5 4  | 5 3  | 5 2  | 5 1  | 5 0  | 4 59 | 4 58 | 4 57 | 4 56 | 4 55 |
| is   | 6 9  | 6 8  | 6 7  | 6 6  | 6 5  | 6 4  | 6 3  | 6 2  | 6 1  | 6 0  | 5 59 | 5 58 | 5 57 | 5 56 | 5 55 | 5 54 | 5 53 | 5 52 |
| is   | 7 7  | 7 6  | 7 5  | 7 4  | 7 3  | 7 2  | 7 1  | 7 0  | 6 59 | 6 58 | 6 57 | 6 56 | 6 55 | 6 54 | 6 53 | 6 52 | 6 51 | 6 50 |
| is   | 8 4  | 8 3  | 8 2  | 8 1  | 8 0  | 7 59 | 7 58 | 7 57 | 7 56 | 7 55 | 7 54 | 7 53 | 7 52 | 7 51 | 7 50 | 7 49 | 7 48 | 7 47 |
| is   | 8 59 | 8 58 | 8 57 | 8 56 | 8 55 | 8 54 | 8 53 | 8 52 | 8 51 | 8 50 | 8 49 | 8 48 | 8 47 | 8 46 | 8 45 | 8 44 | 8 43 | 8 42 |
| is   | 9 53 | 9 52 | 9 51 | 9 50 | 9 49 | 9 48 | 9 47 | 9 46 | 9 45 | 9 44 | 9 43 | 9 42 | 9 41 | 9 40 | 9 39 | 9 38 | 9 37 | 9 36 |

Day's length 12 hours 58 min.

| Day  | 16   | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24   | 25   | 26   | 27   | 28   | 29   | 30   |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| sun. | 4 17 | 4 16 | 4 15 | 4 14 | 4 13 | 4 12 | 4 11 | 4 10 | 4 9  | 4 8  | 4 7  | 4 6  | 4 5  | 4 4  | 4 3  |
| lon. | 5 12 | 5 11 | 5 10 | 5 9  | 5 8  | 5 7  | 5 6  | 5 5  | 5 4  | 5 3  | 5 2  | 5 1  | 5 0  | 4 59 | 4 58 |
| is   | 6 9  | 6 8  | 6 7  | 6 6  | 6 5  | 6 4  | 6 3  | 6 2  | 6 1  | 6 0  | 5 59 | 5 58 | 5 57 | 5 56 | 5 55 |
| is   | 7 7  | 7 6  | 7 5  | 7 4  | 7 3  | 7 2  | 7 1  | 7 0  | 6 59 | 6 58 | 6 57 | 6 56 | 6 55 | 6 54 | 6 53 |
| is   | 8 4  | 8 3  | 8 2  | 8 1  | 8 0  | 7 59 | 7 58 | 7 57 | 7 56 | 7 55 | 7 54 | 7 53 | 7 52 | 7 51 | 7 50 |
| is   | 8 59 | 8 58 | 8 57 | 8 56 | 8 55 | 8 54 | 8 53 | 8 52 | 8 51 | 8 50 | 8 49 | 8 48 | 8 47 | 8 46 | 8 45 |
| is   | 9 53 | 9 52 | 9 51 | 9 50 | 9 49 | 9 48 | 9 47 | 9 46 | 9 45 | 9 44 | 9 43 | 9 42 | 9 41 | 9 40 | 9 39 |

Day's length 13 hours 14 min.

| Day  | 16   | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24   | 25   | 26   | 27   | 28   | 29   | 30   |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| sun. | 4 17 | 4 16 | 4 15 | 4 14 | 4 13 | 4 12 | 4 11 | 4 10 | 4 9  | 4 8  | 4 7  | 4 6  | 4 5  | 4 4  | 4 3  |
| lon. | 5 12 | 5 11 | 5 10 | 5 9  | 5 8  | 5 7  | 5 6  | 5 5  | 5 4  | 5 3  | 5 2  | 5 1  | 5 0  | 4 59 | 4 58 |
| is   | 6 9  | 6 8  | 6 7  | 6 6  | 6 5  | 6 4  | 6 3  | 6 2  | 6 1  | 6 0  | 5 59 | 5 58 | 5 57 | 5 56 | 5 55 |
| is   | 7 7  | 7 6  | 7 5  | 7 4  | 7 3  | 7 2  | 7 1  | 7 0  | 6 59 | 6 58 | 6 57 | 6 56 | 6 55 | 6 54 | 6 53 |
| is   | 8 4  | 8 3  | 8 2  | 8 1  | 8 0  | 7 59 | 7 58 | 7 57 | 7 56 | 7 55 | 7 54 | 7 53 | 7 52 | 7 51 | 7 50 |
| is   | 8 59 | 8 58 | 8 57 | 8 56 | 8 55 | 8 54 | 8 53 | 8 52 | 8 51 | 8 50 | 8 49 | 8 48 | 8 47 | 8 46 | 8 45 |
| is   | 9 53 | 9 52 | 9 51 | 9 50 | 9 49 | 9 48 | 9 47 | 9 46 | 9 45 | 9 44 | 9 43 | 9 42 | 9 41 | 9 40 | 9 39 |

Day's length 13 hours 32 min.

| Day  | 16   | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24   | 25   | 26   | 27   | 28   | 29   | 30   |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| sun. | 4 17 | 4 16 | 4 15 | 4 14 | 4 13 | 4 12 | 4 11 | 4 10 | 4 9  | 4 8  | 4 7  | 4 6  | 4 5  | 4 4  | 4 3  |
| lon. | 5 12 | 5 11 | 5 10 | 5 9  | 5 8  | 5 7  | 5 6  | 5 5  | 5 4  | 5 3  | 5 2  | 5 1  | 5 0  | 4 59 | 4 58 |
| is   | 6 9  | 6 8  | 6 7  | 6 6  | 6 5  | 6 4  | 6 3  | 6 2  | 6 1  | 6 0  | 5 59 | 5 58 | 5 57 | 5 56 | 5 55 |
| is   | 7 7  | 7 6  | 7 5  | 7 4  | 7 3  | 7 2  | 7 1  | 7 0  | 6 59 | 6 58 | 6 57 | 6 56 | 6 55 | 6 54 | 6 53 |
| is   | 8 4  | 8 3  | 8 2  | 8 1  | 8 0  | 7 59 | 7 58 | 7 57 | 7 56 | 7 55 | 7 54 | 7 53 | 7 52 | 7 51 | 7 50 |
| is   | 8 59 | 8 58 | 8 57 | 8 56 | 8 55 | 8 54 | 8 53 | 8 52 | 8 51 | 8 50 | 8 49 | 8 48 | 8 47 | 8 46 | 8 45 |
| is   | 9 53 | 9 52 | 9 51 | 9 50 | 9 49 | 9 48 | 9 47 | 9 46 | 9 45 | 9 44 | 9 43 | 9 42 | 9 41 | 9 40 | 9 39 |

MOON'S PHASES.

Full Moon, the 5th, at 3 o'clock 28 minutes in the afternoon.  
 Last Quarter, the 13th, at 9 o'clock 30 minutes in the forenoon.  
 New Moon, the 19th, at 11 o'clock 51 minutes in the evening.  
 First Quarter, the 27th, at 3 o'clock 36 minutes in the morning.

Conjecture of the Weather.

1, 2, clear and cool; 3, 4, 5, variable; 6, 7, rain; 8, 9, clear and cool; 10, 11, 12, fair and mild; 13, 14, 15, variable; 16, 17, rain; 18, 19, 20, fair; 21, 22, windy; 23, 24, 25, warm; 26, 27, 28, rain; 29, 30, fair and warm.

Saturn (♄) is in conjunction with the Sun the 3rd and cannot be seen.

Venus (♀) is in superior conjunction with the Sun on the 28th and passes from morning to evening star.

A sculptor is the Sun, I know,  
 Whose shining marble is the snow;  
 All through the winter, day by day,  
 He with his golden chisel-ray  
 Tolls patiently that he may bring  
 A statue forth to honor Spring;  
 And when she comes, behold it there—  
 A blossom in the gentle air,  
 A form of gracious symmetry,  
 A fragile white anemone!

To succeed with roses one must pay a great deal of attention to the soil. Fine roses cannot be grown unless the soil is rich, well drained and heavy. Roses should be planted in early fall or in the spring, with the grafts two inches below the soil, and prune the shoots to within six inches of the soil.

Keep the leaves free from the green lice by constant spraying with a hose. Pick off the caterpillars. When buds are formed, leave only central ones on each stalk.

Dig in lightly one tablespoonful of bone-dust to each plant, and water frequently with liquid manure if you wish prize blossoms.

The work of procuring plants and rooting slips should begin in the early spring, and they should be grown through the summer.

To get rid of objectionable stumps in the yard, make a hole in the stumps and fill with salt or sulphuric acid.

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they have been exhibited and tests of separators have been held. See top of



RECIPES

When you have boiled a ham do it as appearing on the family board: eaten down to the serving ends.

Instead, make use of the chopp small pieces into croquettes or creamed eggs baked in a pudding; some dainty minced ham sandwich mixed with mayonnaise, a little choy some cut-up sweet pickles.

FUDGE CAKE

Three blocks of chocolate, four eggs milk, one teaspoonful vanilla, one-half cup and a half cups sugar, one cup of flour, heaping teaspoonful of cream, butter and sugar; add yolk milk, then chocolate, which has been tablespoonfuls of hot water; then whites of eggs, well beaten. Bake an hour.

PRESERVED GINGER

Peel the green ginger roots and let for fifteen minutes.

Boil, changing the water twice, in Drain and weigh the ginger before it water.

Allow a pound and a quarter of pound of ginger.

Wet each pound of sugar with a cup put sugar and water into a preserve

Boil and skim until the scum ceases; remove the syrup from the fire and cold. Wipe each piece of ginger at ginger and reheat the syrup. Take again and when blood-warm put in

Leave it for two days. Then take and put the syrup over the fire. Boil and add the roots at once.

Set aside for a week before drain once more, boiling the syrup, dropping and putting in jars. Do not use to

Has won GOLD MEDAL or High EVERY International Exposition

| Remarkable Days. | Moon South. h. m. | Moon E. & S. h. m. | Moon's pl. deg. sig. deg. | Aspects of Planets, and other miscellaneous matter. | SUN Slo. m. h. m. | SUN rises. h. m. | SUN sets. h. m. |
|------------------|-------------------|--------------------|---------------------------|---|-------------------|------------------|-----------------|
| Heodore          | 9 39              | 3 56               | 13 24                     | South 9 53  | 4 5               | 4 44             | 6 16 19         |
| Neodosia         | 10 22             | 4 24               | 27 37                     | at 4 40   | 4 5               | 4 43             | 6 17 20         |
| erdinand         | 11 3              | 4 55               | 8                         | in Apo. 6 10  | 3 5               | 4 26             | 6 18 21         |

*Sunday.* *Matt. 21.* *Day's length 12 hours 40 min.*

|            |       |        |    |                      |     |      |       |
|------------|-------|--------|----|----------------------|-----|------|-------|
| mbrose     | 11 44 | 5 21   | 21 | Aldebaran 10 30      | 3 5 | 4 06 | 20 22 |
| aximus     | morn  | Drises | 3  | 5 gr Hel. Lat. so.   | 3 5 | 3 96 | 21 23 |
| elestinus  | 12 24 | 7 26   | 15 | Sirius sets 10 40    | 2 5 | 3 86 | 22 24 |
| aron       | 1 6   | 8 22   | 28 | ♀ rises 5 37         | 2 5 | 3 76 | 23 25 |
| lavand Th. | 1 49  | 9 36   | 10 | ♂ rises 2 22         | 2 5 | 3 56 | 25 26 |
| ood Frid   | 2 35  | 10 35  | 22 | Arcturus south 1 4   | 2 5 | 3 46 | 26 27 |
| aniel      | 3 24  | 11 35  | 47 | ♂ south 9 15. ♀ in 8 | 1 5 | 3 36 | 27 28 |

*Sunday.* *Mark 16.* *Day's length 12 hours 58 min.*

|            |      |       |    |                     |     |      |       |
|------------|------|-------|----|---------------------|-----|------|-------|
| aster Sun. | 4 17 | morn. | 16 | Antares rises       | 1 5 | 3 16 | 29 29 |
| aster Mon. | 5 12 | 12 38 | 29 | ♂ libration east    | 1 5 | 3 06 | 30 30 |
| astinus    | 6 9  | 1 6   | 11 | 13. ☾ rises 5 37    | 0 5 | 2 96 | 31 31 |
| iburtius   | 7 7  | 1 59  | 25 | ♂ rises 2 10        | 0 5 | 2 86 | 32 32 |
| lympia     | 8 4  | 2 45  | 7  | ♀ rises 5 27        | 0 5 | 2 76 | 33 33 |
| alixtus    | 8 59 | 3 24  | 19 | Alphacca south 1 56 | 0 5 | 2 56 | 35 35 |
| udolph     | 9 53 | 4 1   | 17 | ♂ south 8 46        | 1 5 | 2 46 | 36 36 |

*Sunday after Easter.* *John 20.* *Day's length 13 hours 14 min.*

|          |       |       |    |                               |     |      |       |
|----------|-------|-------|----|-------------------------------|-----|------|-------|
| ineas    | 10 46 | 4 34  | 13 | ♂ in per. 6 10. ♀ rises 5 4   | 1 5 | 2 36 | 37 37 |
| nicetas  | 11 38 | 5 25  | 25 | 19. ☾ rises 5 37              | 1 5 | 2 26 | 38 38 |
| lpitius  | Ev 31 | 7 27  | 9  | ♂ rises 2                     | 1 5 | 2 06 | 40 40 |
| dularius | 1 26  | 8 42  | 23 | ♂ superior                    | 1 5 | 1 96 | 41 41 |
| ylus     | 2 21  | 9 56  | 8  | Rigel sets 9 37. ☾ rises 5 37 | 2 5 | 1 86 | 42 42 |
| George   | 3 18  | 11 4  | 22 | ♀ rises 5 18. ♀ in 8          | 2 5 | 1 76 | 43 43 |
| lbertas  | 4 14  | morn. | 7  | ♂ in 8. ♀ libration W.        | 2 5 | 1 56 | 45 45 |

*Sunday after Easter.* *John 10.* *Day's length 13 hours 32 min.*

|           |      |       |    |                        |     |      |       |
|-----------|------|-------|----|------------------------|-----|------|-------|
| Mark, L.  | 5 9  | 12 5  | 20 | ♂ stationary           | 2 5 | 1 46 | 46 46 |
| etus      | 6 1  | 12 32 | 6  | ♂ south 8 10           | 2 5 | 1 36 | 47 47 |
| nastastus | 6 50 | 1 16  | 18 | ♂ rises 4 31           | 2 5 | 1 26 | 48 48 |
| italis    | 7 36 | 1 56  | 5  | ♂ rises 1 48           | 3 5 | 1 16 | 49 49 |
| ibilla    | 8 20 | 2 20  | 17 | ♂ superior. ♀ in 8     | 3 5 | 1 06 | 50 50 |
| atropius  | 9 1  | 2 58  | 3  | ♂ in Apo. ♀ rises 5 14 | 3 5 | 8 6  | 52 17 |

MOON'S PHASES.

Full Moon, the 5th, at 3 o'clock 28 minutes in the afternoon.  
 Last Quarter, the 13th, at 9 o'clock 30 minutes in the forenoon.  
 New Moon, the 19th, at 11 o'clock 51 minutes in the evening.  
 First Quarter, the 27th, at 3 o'clock 36 minutes in the morning.

Conjecture of the Weather.

1, 2, clear and cool; 3, 4, 5, variable; 6, 7, rain; 8, 9, clear and cool; 10, 11, 12, fair and mild; 13, 14, 15, variable; 16, 17, rain; 18, 19, 20, fair; 21, 22, windy; 23, 24, 25, warm; 26, 27, 28, rain; 29, 30, fair and warm.  
 Saturn (♄) is in conjunction with the Sun the 2d and cannot be seen.  
 Venus (♀) is in superior conjunction with the Sun on the 28th and passes from morning to evening star.

A sculptor is the Sun, I know,  
 Whose shining marble is the snow;  
 All through the winter, day by day,  
 He with his golden chisel-ray  
 Toils patiently that he may bring  
 A statue forth to honor Spring;  
 And when she comes, behold it there—  
 A blossom in the gentle air,  
 A form of gracious symmetry,  
 A fragile white anemone!

To succeed with roses one must pay a great deal of attention to the soil. Fine roses cannot be grown unless the soil is rich, well drained and heavy. Roses should be planted in early fall or in the spring, with the grafts two inches below the soil, and prune the shoots to within six inches of the soil.

Keep the leaves free from the green lice by constant spraying with a hose. Pick off the caterpillars. When buds are formed, leave only central ones on each stalk.  
 Dig in lightly one tablespoonful of bone dust to each plant, and water frequently with liquid manure if you wish prize blossoms.

The work of procuring plants and rooting slips should begin in the early spring, and they should be grown through the summer.  
 To get rid of objectionable stumps in the yard, make a hole in the stumps and fill with salt or sulphuric acid.

**U. S. CREAM SEPARATOR**  
 they have been exhibited and tests of separators have been held. See top of F



RECIPES

When you have boiled a ham do not eaten down to the scrag ends.  
 Instead, make use of the chopper small pieces into croquettes or creamed eggs baked in a pudding dish some dainty minced ham sandwich mixed with mayonnaise, a little chopp some cut-up sweet pickles.

FUDGE CAKE

Three blocks of chocolate, four eggs milk, one teaspoonful vanilla, one-half one and a half cups sugar, one and cups of flour, heaping teaspoonful of cream, butter and sugar; add yolks milk, then chocolate, which has been tablespoonfuls of hot water; then whites of eggs, well beaten. Bake th an hour.

PRESERVED GINGER

Peel the green ginger roots and lay for fifteen minutes.  
 Boil, changing the water twice, until Drain and weigh the ginger before in water.  
 Allow a pound and a quarter of pound of ginger.  
 Wet each pound of sugar with a cup put sugar and water into a preserving Boil and skim until the scum cease remove the syrup from the fire and cold. Wipe each piece of ginger and cold syrup. Stand for twenty-four ho ginger and reboil the syrup. Take again and when blood-warm put in th Leave it for two days. Then take and put the syrup over the fire. Boil and add the roots at once.  
 Set aside for a week before drain once more, boiling the syrup, dropping and putting in jars. Do not use for

Has won GOLD MEDAL or Highe EVERY International Expositi



| able  | Moons South. h. m. | Moons E. & W. h. m. | Moons' pl. sec. sig. deg. | Aspects of Planets, and other miscellaneous matter. | Sun (fast) m. h. m. | Sun (sets) l. m. h. m. |
|---|--------------------|---------------------|---------------------------|---|---------------------|------------------------|
| o & J. a.   | 9 42               | 3 25                | 15 24                     | stationary  | 35                  | 76 53 18               |
| <i>Day after Easter. John 16. Day's length 13 hrs. 48 min.</i>  |                    |                     |                           |   |                     |                        |
| and   | 10 22              | 3 47                | 28 21                     | sets 2 26   | 35                  | 66 54 19               |
| f Cross   | 11 4               | 4 11                | 31 10                     | Wega south 2 50                                     | 35                  | 56 55 20               |
| unus  | 11 47              | 4 33                | 32 22                     | ♂ rises 1 36  | 35                  | 46 56 21               |
| d   | morn.              | Drises              | 5 9                       | ♀ sets 6 48   | 35                  | 36 57 22               |
| as  | 12 32              | 8 24                | 21 1                      | ♂ rises 4   | 45                  | 26 58 23               |
| cilla   | 1 21               | 9 27                | 8                         | Areturus south 11 12                                | 45                  | 16 59 24               |
| slaus   | 2 13               | 10 32               | 20                        | Antares south 1 22. ♀ in 8                          | 45                  | 07 0 25                |
| <i>Day after Easter. John 16. Day's length 14 hours 2 min.</i>  |                    |                     |                           |   |                     |                        |
| anus  | 3 8 11             | 32                  | 28                        | gr. Hel. Lat. north                                 | 44                  | 59 7 126               |
| artus   | 4 4                | morn.               | 15                        | ♂ rises 1 54  | 44                  | 58 7 227               |
| atus  | 5 2 12             | 23                  | 27                        | ♀ sets 7 10   | 44                  | 57 7 328               |
| tius  | 5 58               | 12 47               | 10                        | ♂ rises 1 17  | 44                  | 56 7 429               |
| tian  | 6 52               | 1 24                | 24                        | ♂ rises 12 11                                       | 44                  | 55 7 530               |
| a   | 7 45               | 2 1                 | 9                         | Sirius sets 8 16                                    | 44                  | 54 7 6 107             |
|   | 8 36               | 2 34                | 23                        | Spica south 9 49                                    | 44                  | 53 7 7 2               |
| <i>Day after Easter. John 16. Day's length 14 hours 16 min.</i> |                    |                     |                           |   |                     |                        |
| rinus   | 9 27               | 3 3                 | 8                         | ♂ in Per. ♀ rises 3 22                              | 44                  | 52 7 8 3               |
| us  | 10 18              | 3 33                | 21                        | Altair south 4 9                                    | 44                  | 51 7 9 4               |
| ius   | 11 11              | 4 2                 | 7                         | ♂ sets 1 23   | 44                  | 50 7 10 5              |
| ntia  | Ev 5               | sets                | 20                        | ♂ rises 7 30  | 44                  | 50 7 10 6              |
| as Day  | 1 2                | 8 43                | 6                         | ♂ rises 9. ♀ in 8                                   | 44                  | 49 7 11 7              |
| ntiana  | 1 59               | 9 49                | 19                        | ♂ sets 12 58. ♀ rises 8                             | 44                  | 48 7 12 8              |
| na  | 2 56               | 10 47               | 2                         | ♂ in 8. ♀ sets 8 13                                 | 44                  | 47 7 13 9              |
| <i>Day after Easter. John 15. Day's length 14 hours 28 min.</i> |                    |                     |                           |   |                     |                        |
| terius  | 3 5 11             | 35                  | 14                        | ♂ rises 2 56  | 44                  | 46 7 14 10             |
| r   | 4 43               | morn.               | 29                        | Libra south 11 33                                   | 44                  | 46 7 14 11             |
| us  | 5 31               | 12 16               | 11                        | 7* sets 7 8   | 34                  | 45 7 15 12             |
| un  | 6 16               | 12 38               | 24                        | ♂ rises 12 52                                       | 34                  | 44 7 16 13             |
| anus  | 6 58               | 1 2                 | 2                         | ♂ rises 8 8   | 34                  | 43 7 17 14             |
| mil'an  | 7 39               | 1 28                | 23                        | ♂ in Apo. ♀ rises 12 42                             | 34                  | 43 7 17 15             |
| nday or Pentecost.  | 8 19               | 1 55                | 7                         | ♂ rises 8 13  | 34                  | 42 7 18 16             |
| <i>Day after Easter. John 14. Day's length 14 hours 38 min.</i> |                    |                     |                           |   |                     |                        |
| Sund.   | 9 0                | 2 14                | 22                        | ♂ sets 2 30   | 34                  | 41 7 19 17             |
| Mond.   | 9 42               | 2 49                | 4                         | Pollux sets 10 52                                   | 34                  | 41 7 19 18             |

MOON'S PHASES.

Full Moon, the 5th, at 7 o'clock 7 minutes in the forenoon.  
 Last Quarter, the 12th, at 2 o'clock 45 minutes in the afternoon.  
 New Moon, the 19th, at 8 o'clock 42 minutes in the forenoon.  
 First Quarter, the 26th, at 8 o'clock 27 minutes in the evening.

Conjecture of the Weather.

1, 2, 3, clear; 4, 5, 6, windy and rain; 7, 8, 9, fair; 10, 11, misty; 12, 13, variable; 14, 15, thunder gusts; 16, 17, 18, clear and warm; 19, 20, variable; 21, 22, 23, warm; 24, 25, cloudy; 26, thunder; 27, 28, 29, cool; 30, 31, fair.

Hints for the Housewife

COMBINING FRUITS

Quinces combine splendidly with apples, and are much better this way than when preserved alone. The apples take the flavor of the quinces so completely that one can hardly tell them from quinces. The quince betrays itself only by its slight toughness, the apple being very tender.

The apples make an excellent foundation for several kinds of jelly. Grape jelly will not "come" easily if made of grapes alone. Combined with apples it solidifies perfectly and loses none of its grape flavor. For this jelly use one-third of apple skins and cores to two-thirds of grapes.

Peaches and several other fruits can be used in the same way. Tangerine oranges combine well with apples if enough of the oranges are used to give the jelly a strong orange flavor.

Currants can be combined with blackberries, raspberries and huckleberries one-third of currants being generally used to two-thirds of any of these fruits. Cherries are also used with currants.

One culinary authority says that a few water-melon rinds, if properly soaked in salted water until all acidity is gone, can be combined with pineapple. They will take on the genuine flavor of the latter, and become indistinguishable from it. The water-melon rinds should be used in the proportion of one-third of the weight of the pineapple, all the fruit being cut in dice.

Another combination liked by some housewives is one of prunes and apricots, boiled down together in equal parts. Gooseberries are sometimes combined with rhubarb, and a goodly portion of raisins is a delicious addition to some kinds of preserves, especially citron, melon and currants, put up in the old-fashioned way.



VARIOUS USES OF

Salt has innumerable uses. It increases the heat in boiling, potting out and emptying, and anything gets spilled on, the sprinkled on it will stop the value as an extinguisher of fire. A bowlful of salt thrown in the fire as on fire acts like magic in extinguishing it. Egg spoons, the bowls of which the sulphur in hard-boiled eggs brightened without waiting till cleaning silverware by a little salt wet rag.

No dish in the world—pudding, fruit pies, no less, in their different meats and savories—is complete without the addition of a pinch of salt, and a due amount in the case and we find food unappetizing if it is of salt, though we may not realize there. A pinch of salt added to drinking water makes it more digestible and tends to cure indigestion. Salt has healing and health-giving taken internally and as an external. The efficacy and strengthening are well known. Fisher folk drink a little sea water every day is an unfailing cure for indigestion. Too delicate to stand the invigorating of sea bathing are often recommended to take warm sea baths long delicated treatment, have been bathing in sea water, which is very and complexion, especially if naturally acid rather than an

When the eyes begin to wa accompanying tingling of the chilliness place three drops of of loaf sugar and place the sugar Repeat this every 15 minutes have been taken. At the same where they will become thorough This will usually prove effect cold if it is taken at every 1

Skins thick or thin ore CLEAN. Has skinned (See top o

**U. S. CREAM SEPARATOR**  
 Many creameries pay a premium for thick cream.

JUNE, 6th Month.

| h. | Moons<br>S. & N.<br>h. m. | Moons<br>E. & W.<br>h. m. | Moons<br>fig. dig. | Aspects of Planets, and other<br>miscellaneous matters. | Sun<br>rises.<br>h. m. | Sun<br>sets.<br>h. m. |
|----|---------------------------|---------------------------|--------------------|---|------------------------|-----------------------|
| 10 | 27                        | 3                         | 1                  | 16 1/2 in 8. 1/2 rises 12 34                            | 3                      | 4                     |
| 11 | 14                        | 3                         | 37                 | stationary  | 4                      | 7                     |
| 12 | 6                         | 8                         | 23                 | 3. 2/3 eclipse<br>gr. libration east                    | 4                      | 7                     |
| 1  | 1                         | 9                         | 18                 | 10 1/2 sets 8 17  | 4                      | 7                     |

*John 3. Day's length 14 hours 44 min.*

|   |    |       |    |                               |    |    |
|---|----|-------|----|-------------------------------|----|----|
| 1 | 58 | 10    | 20 | 22 1/2 H.C. 1/2 rises 2 5     | 24 | 38 |
| 2 | 56 | 11    | 6  | 8 1/2. Altair south 2 48      | 14 | 37 |
| 3 | 54 | 11    | 48 | 20 Librae south 9 42          | 14 | 37 |
| 4 | 49 | morn. | 2  | 2 1/2 sets 12                 | 14 | 37 |
| 5 | 42 | 12    | 23 | 14 10. 1/2 1/2 rises 12 14    | 14 | 37 |
| 6 | 33 | 12    | 46 | 26 1/2 sets 8 19              | 14 | 36 |
| 7 | 22 | 1     | 7  | 8 1/2 in Per. 1/2 in Aphelion | 14 | 36 |

*after Trinity. Luke 16. Day's length 14 hours 48 min.*

|    |    |   |    |                                  |   |    |
|----|----|---|----|----------------------------------|---|----|
| 8  | 11 | 1 | 40 | 22 1/2 H.C. 1/2 rises 1 39       | 0 | 4  |
| 9  | 2  | 2 | 3  | 7 1/2 inferior                   | 4 | 36 |
| 9  | 54 | 2 | 34 | 21 1/2 rises 2 40                | 4 | 35 |
| 10 | 48 | 3 | 8  | 3 1/2 sets 11 35                 | 0 | 4  |
| 11 | 45 | 3 | 15 | 17. 1/2 H.C. 1/2 1/2 sets 11 35  | 1 | 4  |
| 12 | 42 | 8 | 32 | 29 1/2 H.C. 1/2 gr. libration W. | 1 | 4  |
| 1  | 38 | 9 | 26 | 11 1/2 H.C. 1/2 sets 8 22        | 1 | 4  |

*after Trinity. Luke 14. Day's length 14 hours 50 min.*

|   |    |      |    |  |    |    |
|---|----|------|----|--|----|----|
| 2 | 32 | 10   | 8  | 24 1/2 rises 11 52                               | 14 | 35 |
| 3 | 22 | 10   | 46 | 7 1/2 enters 1/2. Summer longest<br>Longest Day. | 14 | 34 |
| 4 | 9  | 11   | 14 | 21 1/2 rises 1 4                                 | 2  | 4  |
| 4 | 53 | 11   | 45 | 3 1/2 H.C. 1/2 sets 11 8                         | 2  | 4  |
| 5 | 35 | morn | 15 | 15 in Per. Regulus sets 10 31                    | 2  | 4  |
| 6 | 15 | 12   | 30 | 27 1/2 in Aeturus sets 7 52                      | 2  | 4  |
| 6 | 55 | 12   | 56 | 10 1/2 stationary                                | 3  | 4  |

*after Trinity. Luke 15. Day's length 14 hours 50 min.*

|   |    |   |    |                    |   |   |
|---|----|---|----|--------------------|---|---|
| 7 | 36 | 1 | 11 | 24 1/2 sets 8 33   | 3 | 4 |
| 8 | 19 | 1 | 28 | 9 1/2 rises 11 31  | 3 | 4 |
| 9 | 6  | 1 | 57 | 20 1/2 rises 12 39 | 3 | 4 |
| 9 | 55 | 2 | 29 | 8 1/2 sets 10 47   | 3 | 4 |

June has 30 Days.

MOON'S PHASES.

Full Moon, the 3rd, at 8 o'clock 24 minutes in the evening.  
Last Quarter, the 10th, at 9 o'clock 42 minutes in the evening.  
New Moon, the 17th, at 6 o'clock 28 minutes in the evening.  
First Quarter, the 25th, at 1 o'clock 42 minutes in the afternoon.

Conjecture of the Weather.

1, 2, cloudy; 3, 4, variable with rain; 5, 6, 7, fair; 8, 9, windy; 10, 11, 12, fair and warm; 13, 14, clear; 15, 16, 17, fair and warm; 18, 19, variable; 20, 21, sultry; 22, 23, 24, cloudy; 25, 26, 27, thunder gusts; 28, 29, 30, warm.

FARM AND GARDEN

Poor gardens are expensive in the end. Children love gardening. Encourage them.

Frozen plants can best be restored by dipping in cold water.

Cut away the trees, shrubs and vines from around the well-arranged country house, and you will cut a big slice from the selling price. Add such things to the treeless home and you make it worth more, and also easier of sale. Why should the farmer scorn such things when they have a direct bearing on the selling value of his property?

All fruit trees should be sprayed without regard to whether they have been attacked by insects or disease or escaped, as it is less labor to prevent attacks than to remedy the evil after it appears. It costs more to repair damage than to ward off danger. In some States, such as California, spraying the trees and vines is enforced by law. If the grower neglects his duty he is considered as one maintaining a public nuisance, and some official is ordered to spray the orchard and add the cost to the tax bill of the negligent owner.

A good wash for roofs and buildings is as follows: Slake lime in a closed box, to prevent the escape of steam, and when slaked pass it through a sieve. To every six quarts of this lime add one quart of rock salt and one gallon of water. After this, boil and skim clean. To every five gallons of this add, by slow degrees, three-quarters of a pound of potash and four quarts of fine sand. Coloring matter may be added, if desired. Apply with a paint or white-wash brush.

Five hundred pounds per acre of phosphate rock for bearing trees will have good effects the first season and better the second.

U. S. CREAM SEPARATOR

butter won HIGHEST SCORE in Dairy Class in ALL four contests.



Good cider vinegar in always salt to convert the surplus apples into a posse of making vinegar. The art is not used for choice pickles and other which good cider vinegar only is as not, therefore, largely compete with Manure may fail to give good result and show well the next. Much of condition of the material. It can plants until it decomposes and its can be appropriated.

Early in the season, when onion huge plants are put in the ground, be hastened if a small quantity of which gives them an advantage weeds.

Hard soap rubbed into the wound by borers is said to be an effectual

Each particular field requires special treatment. One plot of land may for a certain crop than another, and study the requirements of each field

Good seed potatoes are necessary is expected. Never attempt to get the best, as any mistake made harvest. Use whole seed and give rows. While the sprouts from single ing the ground the tops of whole large enough to plow. Many in money by cutting the seed potatoes in order to reduce the cost, but for e they lost from five to ten in the cr

There is no loss of any material the soil if the ground is well prepared a crop, provided the soil is not too The farmer who does not watch it and prices will be at a disadvantage was high last year it may induce in crops of it this year. If an article is that many will not make any atten thing with profit on that line. An mer states that he always plants others will not grow, for then it is the demand and bring a good price worthy of consideration by others.

Will help you get the highest price. At Louisiana Purchase Ex butter won HIGHEST SCORE in ALL four contests. See 1

| ble   | Moons<br>h. m. | Moons<br>r. & s.<br>h. m. | Moons<br>pl. noon.<br>sig. deg. | Aspects of Planets, and other<br>miscellaneous matter. | Sun<br>rises.<br>h. m. | Sun<br>sets.<br>h. m. |
|-------|----------------|---------------------------|---------------------------------|--|------------------------|-----------------------|
| ald   | 10 49          | 3 8                       | 20                              | gr. libration E. ☽ in ☿                                | 44 36                  | 7 24                  |
| V. M. | 11 47          | 3 55                      | 7                               | ♄ gr. Hel. Lat. S. ☾                                   | 44 37                  | 7 23                  |
| ins   | morn. ☽ rises  | 9                         | 9                               | ♃. ☽H☾. ⊕ in Aph.                                      | 44 37                  | 7 23                  |

ay after Trinity. Luke 6. Day's length 14 hours 46 min.

|        |       |               |    |                                   |       |      |
|--------|-------|---------------|----|-----------------------------------|-------|------|
| Day    | 12 46 | 9 3           | 1  | ♀ sets 8 36                       | 44 37 | 7 23 |
| rius   | 1 45  | 9 48          | 13 | Wega south 11 34                  | 44 38 | 7 22 |
| Huss   | 2 43  | 10 24         | 25 | ♄ sets 10 22                      | 44 38 | 7 22 |
| urga   | 3 38  | 10 58         | 7  | ♃ in Per. ♄ u. close ♄ rises 4 11 | 44 38 | 7 22 |
| l      | 4 30  | 11 28         | 19 | ♃C. ♄ rises 11 4                  | 54 39 | 7 21 |
| vin b. | 5 20  | 11 54         | 6  | ♃☾. Altair S. 12 40               | 54 39 | 7 21 |
|        | 6 9   | morn. ♄ rises | 18 | ♃C. ♄ rises 11 58                 | 54 40 | 7 20 |

ay after Trinity. Luke 5. Day's length 14 hours 40 min.

|         |       |        |    |                           |       |      |
|---------|-------|--------|----|---------------------------|-------|------|
|         | 6 58  | 12 18  | 5  | ♃H☾. Dog Days begin       | 54 40 | 7 20 |
| wet     | 7 49  | 12 48  | 17 | ♀ sets 8 36               | 54 41 | 7 19 |
| ent     | 8 41  | 1 22   | 0  | Antares south 9 1         | 54 41 | 7 19 |
| les' d. | 9 36  | 1 52   | 12 | ♄ sets 9 54. ☽ in ☿       | 54 42 | 7 18 |
| is      | 10 32 | 2 22   | 24 | ♃C. ☽H☾. ♄ gr. lib. W.    | 64 43 | 7 17 |
|         | 11 28 | 3 12   | 6  | ♃☾. ♄ gr. Hel. Lat. north | 64 44 | 7 16 |
|         | Ev 22 | ☽ sets | 18 | ♃C. ♄ rises 11 29         | 64 45 | 7 15 |

ay after Trinity. Matt. 5. Day's length 14 hours 28 min.

|       |      |       |    |                           |       |      |
|-------|------|-------|----|---------------------------|-------|------|
| nus   | 1 14 | 8 48  | 5  | ♀ sets 8 35               | 64 46 | 7 14 |
| a     | 2 2  | 9 17  | 18 | ♃C. ♄ gr. Hel. Lat. S.    | 64 46 | 7 14 |
| les   | 2 48 | 9 43  | 4  | ♄ rises 10 28             | 64 47 | 7 13 |
| Mag.  | 3 30 | 10 11 | 17 | ♃C. ♄ in ☿. ♄ sets 9 29   | 64 48 | 7 12 |
| navis | 4 11 | 10 32 | 0  | Regulus sets 9 37. ☽ in ☿ | 64 49 | 7 11 |
| ana   | 4 51 | 10 54 | 13 | ♃ in Apo. ☽H☾             | 64 50 | 7 10 |
|       | 5 31 | 11 22 | 27 | Formalhaut south 2 47     | 64 51 | 7 9  |

ay after Trinity. Mark 8. Day's length 14 hours 18 min.

|     |       |         |    |                      |       |     |
|-----|-------|---------|----|----------------------|-------|-----|
| mes | 6 13  | 11 49   | 9  | ♃ 25. ♄ sets 8 35    | 64 51 | 7 9 |
| me  | 6 57  | morn. ♃ | 22 | ♄ in Perihelion      | 64 52 | 7 8 |
| a   | 7 44  | 12 26   | 8  | ♄ rises 10 10        | 64 53 | 7 7 |
| eon | 8 36  | 12 59   | 21 | ♄ sets 9 4. ☽ in ☿   | 64 53 | 7 7 |
| x   | 9 31  | 1 45    | 3  | ♃ gr. libration east | 64 54 | 7 6 |
|     | 10 30 | 2 38    | 15 | ♃C. Markab so. 2 31  | 64 55 | 7 5 |
| us  | 11 31 | 3 40    | 29 | ♄ rises 10 36        | 64 56 | 7 4 |



Farmers should rigidly guard disease by procuring any new after inspecting the herds from select. Never buy from a diseased is known to exist or re

Charcoal is often recommended but it is not generally understood for any kind of stock feeding heating materials. There is a rapidly absorbs gases. It is with the food of animals that experiments showing that the greatest when a proportion of

Pigs should grow rapidly in have been kept warm will soon sell, but the young pigs that in April will easily be checked if become chilled during a cold warm quarters until May.

It is the advice of a prominenters not to keep cows that give of milk a year.

A few carrots given to hork months are relished by them by children.

Have measures and scales, ference there is in the yield figure out how much the loss cow. Do not take some other but do it yourself, and you will

A change in food will be well as well as by any other animal is a pretty sure guide in such he, and is, a choice of foods as will eat with a relish, says an mistake to feed what they do

Feed old corn in preference allow the new corn to dry. It costs with the new corn, as the does harm when fed too liber

Will give YOU one-fourth CREAM than hand skin corks. Then why lose it when a U. S. will save it?

U. S. CREAM SEPARATOR  
corks. Then why lose it when a U. S. will save it?

| Visible<br>Stars.   | Moon<br>South,<br>h. m. | Moon's<br>c. & s.<br>h. m. | Moon's<br>sig. deg. | Aspects of Planets, and other<br>miscellaneous matter. | Sun's<br>alt.<br>h. m. | Sun's<br>rise,<br>h. m. | Six<br>sets,<br>h. m. | City. |
|---|-------------------------|----------------------------|---------------------|--|------------------------|-------------------------|-----------------------|-------|
|   |                         |                            |                     |  |                        |                         |                       |       |
| <i>Monday after Trinity. Matt. 7. Day's length 14 hours 6 min.</i>  |                         |                            |                     |  |                        |                         |                       |       |
| mas ul.   | morn.                   | Drises                     | 11                  | 1. ♂ rises 9 55  | 64                     | 577                     | 319                   |       |
| hen   | 12 30                   | 8 22                       | 23                  | ♀ sets 8 17  | 64                     | 587                     | 220                   |       |
| ustus   | 1 22                    | 8 56                       | 10                  | ♂ in Per. Algemb so. 3 21                              | 64                     | 597                     | 121                   |       |
| inick   | 2 22                    | 9 27                       | 23                  | ♂ superior   | 65                     | 07                      | 022                   |       |
| ald   | 3 14                    | 9 56                       | 23                  | ♂ gr. Hel. Lat. north. ♂♂                              | 65                     | 16                      | 5923                  |       |
| of Chr.   | 4 5                     | 10 25                      | 21                  | ♂ station. ♂ h. c. ♀ rises 10 12                       | 65                     | 26                      | 5824                  |       |
| atus  | 4 55                    | 10 55                      | 23                  | ♂ sets 8 28  | 65                     | 36                      | 5725                  |       |
| <i>Monday after Trinity. Luke 16. Day's length 13 hours 53 min.</i> |                         |                            |                     |  |                        |                         |                       |       |
| ly  | 5 46                    | 11 29                      | 15                  | ♂. Rigel rises 12 6                                    | 55                     | 46                      | 5626                  |       |
| us  | 6 38                    | morn.                      | 28                  | Formalhaut so. 1 46                                    | 55                     | 56                      | 5527                  |       |
| Leavr.  | 7 31                    | 0 34                       | 10                  | ♀ sets 8 9. ♀ in ♁                                     | 55                     | 66                      | 5428                  |       |
| s   | 8 26                    | 1 9                        | 22                  | ♂ gr. libration west                                   | 55                     | 76                      | 5329                  |       |
| a   | 9 22                    | 2 2                        | 22                  | ♂ 2. ♂♂ 2. ♂♂  | 55                     | 86                      | 5230                  |       |
| lebert  | 10 16                   | 3 2                        | 23                  | ♂ in Perihelion. ♀ rises 9 45                          | 55                     | 96                      | 5131                  |       |
| abus  | 11 8                    | 4 3                        | 23                  | ♂ rises 9 13   | 55                     | 106                     | 50                    | ♂.    |
| <i>Monday after Trinity. Luke 19. Day's length 13 hours 36 min.</i> |                         |                            |                     |  |                        |                         |                       |       |
| V. M.   | 11 57                   | sets                       | 14                  | ♂ 15. ♀ sets 8 1                                       | 45                     | 126                     | 48                    | 2     |
| hus   | Ev 43                   | 7 46                       | 26                  | ♂♂. Achernar 3 58                                      | 45                     | 136                     | 47                    | 3     |
| ram   | 1 27                    | 8 12                       | 24                  | ♂. Polaris south 3 47                                  | 45                     | 146                     | 46                    | 4     |
| petus   | 2 8                     | 8 35                       | 23                  | ♀ sets 8 1   | 45                     | 156                     | 45                    | 5     |
| ldus  | 2 48                    | 8 59                       | 5                   | ♂. Apo. Antares sets 10 49                             | 35                     | 176                     | 43                    | 6     |
| ard   | 3 28                    | 9 20                       | 22                  | ♂ rises 9 16   | 35                     | 186                     | 42                    | 7     |
| ecca  | 4 9                     | 9 48                       | 22                  | ♂ rises 8 46   | 35                     | 196                     | 41                    | 8     |
| <i>Monday after Trinity. Luke 18. Day's length 13 hours 20 min.</i> |                         |                            |                     |  |                        |                         |                       |       |
| ibert   | 4 51                    | 10 10                      | 13                  | Dog Days end.  | 35                     | 206                     | 40                    | 9     |
| heus  | 5 36                    | 10 40                      | 25                  | ♂ station. ♂ en-                                       | 25                     | 216                     | 39                    | 10    |
| Barthol.  | 6 27                    | 11 21                      | 21                  | ♂ sets 7 30  | 25                     | 226                     | 38                    | 11    |
| vicus   | 7 17                    | 11 59                      | 19                  | ♂. Altair so. 9 27                                     | 25                     | 246                     | 36                    | 12    |
| uel   | 8 14                    | morn.                      | 6                   | ♂ gr. libration east                                   | 25                     | 256                     | 35                    | 13    |
| ard   | 9 13                    | 12 53                      | 18                  | ♂. ♀ sets 7 58   | 15                     | 266                     | 34                    | 14    |
| August.   | 10 12                   | 1 19                       | 23                  | ♂ rises 8 19   | 15                     | 276                     | 33                    | 15    |
| <i>Monday after Trinity. Mark 7. Day's length 13 hours 4 min.</i>   |                         |                            |                     |  |                        |                         |                       |       |
| Manbek.   | 11 11                   | 2 27                       | 23                  | ♂ rises 8 43   | 15                     | 286                     | 32                    | 16    |
| amin  | morn.                   | 3 39                       | 0                   | ♂ Spica sets 8 8                                       | 05                     | 306                     | 30                    | 17    |
| ina   | 12 8                    | Drises                     | 12                  | ♂ 31. Markab so. 12 25                                 | 05                     | 316                     | 29                    | 18    |

MOON'S PHASES.

Full Moon, the 1st, at 4 o'clock 14 minutes in the evening.  
 Last Quarter, the 8th, at 7 o'clock 9 minutes in the morning.  
 New Moon, the 15th, at 6 o'clock 54 minutes in the evening.  
 First Quarter, the 23rd, at 10 o'clock 55 minutes in the evening.  
 Full Moon, the 31st, at 12 o'clock 17 minutes in the morning.

Conjecture of the Weather.

1, 2, variable; 3, 4, 5, fair; 6, 7, cloudy; 8, 9, windy and rain; 10, 11, 12, fair; 13, 14, sultry and warm; 15, 16, thunder showers; 17, 18, 19, pleasant; 20, 21, 22, warm; 23, 24, 25, fair; 26, misty; 27, 28, showers; 29, 30, 31, fair and warm.

DRINK WATER.

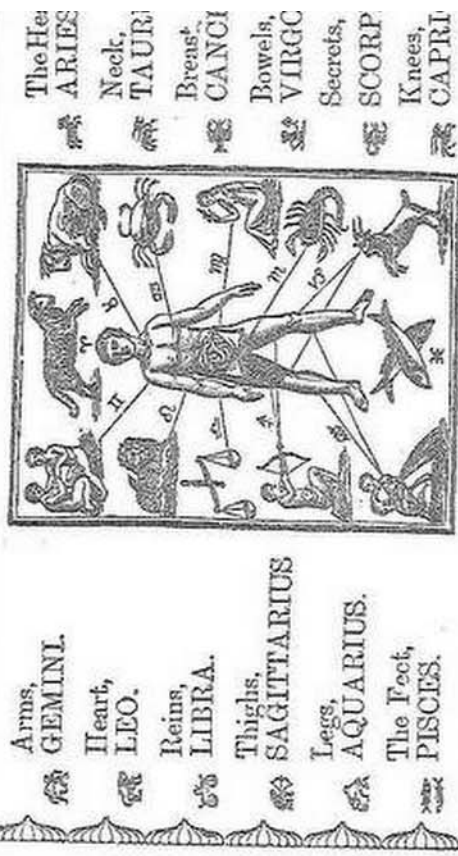
The Japanese know what is good for them when they insist on their women drinking quantities of water each day. We would hear fewer complaints of utter fatigue, and need less assistance from beauty linis if our women, one and all, would follow the example of their almond-eyed sisters. No day should pass without at least a quart of pure water being drunk—better yet, two quarts. It is wiser, however, to begin with the smaller quantity or you may feel your calf water-logged, and depart from the good habit altogether.



OUR PRESIDENT

First stands the lofty WASHINGTON that yoblo great immortal one; And Jefferson comes next we see, The eighth on the list, Monroe the sixth, and Adams comes next; And Jackson's name, in the list of VAN BUREN, eighth, in the list; And HARRISON counts number ten; The tenth is TYLER in his turn; And POLK, the eleventh, as we The twelfth is TAYLOR in his turn; The thirteenth, FILLMORE, in his turn; The fourteenth, PIERCE has been BUCHANAN; Fifteenth is elected JOHNSON, seventeenth, Blis the eighteenth, GRANT; two in nineteenth, HAYES our honory title he; GARFIELD follows in twentieth; Arthur succeeds in twenty-first; Harrison's name twenty-fourth; McKinley's name twenty-fifth; McKim's name twenty-sixth; Roosevelt, are Called to set a second term.

ANATOMY OF MAN'S BODY AS SAID TO BE GOVERNED BY THE TWELVE CONSTELLATIONS.



The Head: ARIES  
 Neck: TAURUS  
 Breasts: CANCER  
 Bowels: VIRGO  
 Secrets: SCORPIO  
 Knees: CAPRICORN  
 Arms: GEMINI  
 Heart: LEO  
 Reins: LIBRA  
 Thighs: SAGITTARIUS  
 Legs: AQUARIUS  
 The Feet: PISCES

U. S. CREAM SEPARATOR And four cows will pay as well for one. See top of Page 28.

| h.   | Mo. South. | Mo. p. moon. | Mo. s. sig. deg. | Aspects of Planets, and other miscellaneous matter. | SUN East. | SUN West. | SUN Sets. |
|------|------------|--------------|------------------|---|-----------|-----------|-----------|
| 1    | 2          | 7 47         | 24               | ♄♃ at 10 31   | 05 32     | 6 28      | 19        |
| 1 55 | 8 20       | 11           | ♃♂ at 11 25      | 05 33   | 6 27      | 20        |           |
| 2 47 | 8 50       | 23           | ♃♄ rises 7 57    | 05 35   | 6 25      | 21        |           |
| 3 39 | 9 27       | 8            | ♃♄ sets 7 44     | 1 53  | 6 24      | 22        |           |

Day after Trinity. Luke 10. Day's length 12 hours 26 min.

|      |       |    |                       |      |      |    |
|------|-------|----|-----------------------|------|------|----|
| 4 32 | 10 3  | 20 | ♃ rises 8 12          | 1 53 | 6 23 | 23 |
| 5 27 | 10 46 | 2  | ♃ rises 2 36. ♃ in ♄  | 1 53 | 6 22 | 24 |
| 6 22 | 11 34 | 14 | ♃ gr. libration west  | 1 53 | 6 21 | 25 |
| 7 18 | morn. | 27 | ♃ in Aphelion         | 2 54 | 6 20 | 26 |
| 8 12 | 12 52 | 11 | ♃♄ rises 9            | 2 54 | 6 19 | 27 |
| 9 5  | 1 55  | 23 | ♃♄ in ♄. ♄ rises 7 23 | 2 54 | 6 17 | 28 |
| 9 54 | 2 57  | 8  | ♃♄ sets 7 34          | 3 54 | 6 16 | 29 |

Day after Trinity. Luke 17. Day's length 12 hours 6 min.

|           |      |    |  |      |      |    |
|-----------|------|----|--|------|------|----|
| 10 41     | 3 58 | 21 | ♃ rises 7 46                           | 3 54 | 6 15 | 30 |
| 11 25     | 4 58 | 3  | ♃ Polaris south 1 58                   | 3 54 | 6 13 | 31 |
| Chs. Ev 6 | sets | 15 | ♃♄ south 14. ♃♄ south 11 28            | 4 54 | 6 12 | 32 |
| Day 0     | 47   | 7  | ♃♄ Algenib south 12 36                 | 4 54 | 6 11 | 33 |
| 1 27      | 7 24 | 11 | ♃♄ in apo. ♄ rises 9 6                 | 4 54 | 6 10 | 34 |
| 2 7       | 7 47 | 24 | ♃♄ in gr. Elong. ♄ sets 6 49. ♃♄ east. | 5 54 | 6 8  | 35 |
| 2 48      | 8 12 | 7  | ♃♄ sets 7 25                           | 5 54 | 6 7  | 36 |

Day after Trinity. Matt. 6. Day's length 12 hours 12 min.

|      |       |    |  |      |      |    |
|------|-------|----|--|------|------|----|
| 3 32 | 8 40  | 19 | ♃ rises 7 16                           | 5 54 | 6 6  | 37 |
| 4 18 | 9 11  | 1  | ♃ Achernar south 1 34                  | 6 54 | 6 5  | 38 |
| 5 8  | 9 51  | 13 | ♃♄ 22. ♃♄ 11 45. ♃ in ♄                | 6 54 | 6 3  | 39 |
| 6 2  | 10 39 | 25 | ♃♄ south 12 10                         | 6 54 | 6 2  | 40 |
| 6 58 | 11 33 | 8  | ♃♄ in apo. ♄ rises 9 6                 | 7 6  | 6 0  | 41 |
| 7 56 | morn. | 20 | ♃♄ in gr. Elong. ♄ sets 6 49. ♃♄ east. | 7 6  | 5 59 | 42 |
| 8 54 | 12 12 | 7  | ♃♄ sets 7 17                           | 7 6  | 5 58 | 43 |

Day after Trinity. Luke 7. Day's length 11 hours 52 min.

|       |      |    |                          |     |      |    |
|-------|------|----|--------------------------|-----|------|----|
| 9 50  | 1 16 | 19 | ♃ stationary             | 8 6 | 4 56 | 44 |
| 10 46 | 2 29 | 0  | ♃ rises 5 40             | 8 6 | 4 55 | 45 |
| 11 39 | 3 45 | 13 | ♃♄ in gr. El. Lat. south | 8 6 | 4 54 | 46 |
| 12 33 | 4 50 | 26 | ♃♄ in perihelion         | 9 6 | 4 52 | 47 |
|       |      | 8  | ♃♄ stationary            | 9 6 | 4 50 | 48 |

MOON'S PHASES.

Last Quarter, the 6th, at 2 o'clock 44 minutes in the afternoon.  
 New Moon, the 14th, at 10 o'clock 8 minutes in the forenoon.  
 First Quarter, the 23d, 1 o'clock 31 minutes in the afternoon.  
 Full Moon, the 29th, at 8 o'clock 5 minutes in the forenoon.

Conjecture of the Weather.

1, 2, 3, fair; 4, 5, cloudy; 6, 7, variable; 8, 9, 10, clear; 11, 12, variable; 13, 14, 15, rain; 16, 17, 18, clear and warm; 19, 20, 21, fair; 22, 23, 24, rainy; 25, 26, cool; 27, 28, fair; 29, 30, variable.  
 Jupiter (♃) is in conjunction with the Sun on the 18th and cannot be seen.  
 Mars (♂) is in opposition with the Sun on the 24th and shines all night.



There is ever a song somewhere, my  
 In the midnight black, or the morn  
 And the cricket chirrup the whole  
 The buds may blow, and the fruit  
 And the autumn leaves drop cris  
 But whether the sun, or the rain, o  
 There is ever a song somewhere,  
 Good thoughts are blessed guest  
 heartily welcomed and much sou  
 rose leaves, they give out a sweet s  
 the jar of memory.

WEATHER PROGNOSTICATOR.

A Table for Foretelling the Weather through all the Lunations of each.

This table and the accompanying remarks are the result of many years' actual observation; the whole being constructed on a due consideration of the attraction of the Sun and Moon, in their several positions respecting the earth; and will, by simple inspection, show the observer what kind of weather will most probably follow the entrance of the Moon into any of her quarters, and that so near the truth as to be seldom or never found to fail.

| Remarks   | IN SUMMER.                  | IN WINTER.   |
|---|-----------------------------|--|
| If the new moon, first quarter, full moon, or last quarter happen | Fair, with frequent showers | Hard frost, unless wind be S. or S.W.                  |
| Bw. 2 and 4 morn'g.   | Cold, with frequent showers | Snow and Stormy.                                       |
| Bw. 4 and 6 morn'g.   | Rain                        | Rain.  |
| Bw. 6 and 8 morn'g.   | Wind and Rain               | Stormy.  |
| Bw. 8 and 10 morn'g.  | Changeable                  | Cold rain, if wind be W. show. if E. Cold & high wind. |
| Bw. 10 and 12 morn'g.   | Frequent showers            | Snow or rain.  |
| At 12 o'clock at noon and 2nd hour in afternoon                   | Very rainy                  | Changeable   |
| Bw. 4 and 6 in afternoon  | Changeable                  | Fair and mild.   |
| Bw. 6 and 8 in afternoon  | Fair                        | Fair   |
| Bw. 8 and 10 in afternoon   | Fair, if wind be N. or N.W. | Fair and frosty, if wind N. or N.W.                    |
| Bw. 10 and 12 in afternoon  | Rainy, if S. or S.W.        | Rain or snow, if S. or S.W.                            |
| Bw. 12 and midnight   | Fair                        | Drizzle.   |
| Bw. 12 and midnight   | Fair                        | Fair and frosty.                                       |

Observations.—1. The nearer Moon's change—First Quarter, Quarter—are to Midnight the weather be during the seven days  
 2. The space for this calculation ten at night till two next morning  
 3. The nearer to midday or noon of the moon happen, the more fun may be expected during the next:  
 4. The space for this calculation ten in the forenoon to two in These observations refer principally, though they affect spring and in the same ratio.  
 5. The Moon's change—First Moon and Last Quarter—happen the afternoon hours—that is, from may be followed by fair weather mostly dependent on the wind, a the table.  
 6. Though the weather, from a ular courses, is more uncertain i of autumn, the whole of winter a of spring, yet, in the main, the ab will apply to those periods also.

U. S. CREAM SEPARATOR

See top of Page 28.

Skin milk is warm and sweet valuable condition for feeding and pigs. They thrive on it

OCTOBER, 10th Month.

| Mo. (h. m.)  | Moon (h. m.) | Moon's (h. m.) | Aspects of Planets, and other miscellaneous matter. | Day's length (h. m.) | Sex (h. m.) | Sex (h. m.) |
|--|--------------|----------------|---|----------------------|-------------|-------------|
| 1 26   | 7 23         | 21             | h rises 6 26  | 9 6                  | 11 5        | 49 18       |
| 2 21   | 8 6          | 7              | h south 11 15                                       | 10 6                 | 12 5        | 48 19       |
| Day after Trinity. Luke 14. Day's length 11 hours 31 min.  |              |                |   |                      |             |             |
| 3 16   | 8 41         | 2 1/2          | sets 7 11. ♀ in ☿                                   | 10 6                 | 13 5        | 47 20       |
| 4 14   | 9 21         | 2 1/2          | rises 5 1   | 10 6                 | 15 5        | 45 21       |
| 5 11   | 10 19        | 14             | gr. libration west                                  | 11 6                 | 16 5        | 44 22       |
| 6 7  | 11 18        | 27             | 6. ☿C. Polaris south 12 28                          | 11 6                 | 17 5        | 43 23       |
| 7 1  | morn.        | 9              | 7 <sup>h</sup> rises 7 27                           | 11 6                 | 19 5        | 41 24       |
| 7 52   | 12 51        | 22             | h rises 5 59  | 12 6                 | 20 5        | 40 25       |
| 8 40   | 1 52         | 8              | h south 10 41                                       | 12 6                 | 21 5        | 39 26       |
| Day after Trinity. Matt. 22. Day's length 11 hours 14 min. |              |                |   |                      |             |             |
| 9 24   | 2 53         | 2 1/2          | sets 7 9  | 12 6                 | 23 5        | 37 27       |
| 10 6   | 3 51         | 3              | ☿C. Sirius rises 12 31                              | 12 6                 | 24 5        | 36 28       |
| 10 46  | 4 50         | 15             | ☿C. in ☿. 2. rises 4 38                             | 13 6                 | 25 5        | 35 29       |
| 11 26  | 5 47         | 29             | in ☿C. 8h. ☿C.                                      | 13 6                 | 27 5        | 33 30       |
| Ev 6   | sets         | 11             | 14. Pommel south 9 19                               | 13 6                 | 28 5        | 32 31       |
| 0 47   | 6 15         | 24             | ♀ in aph. Astartes 7 38                             | 13 6                 | 29 5        | 31 32       |
| 1 30   | 6 31         | 8              | h south 10 9  | 14 6                 | 31 5        | 29 33       |
| Day after Trinity. Matt. 9. Day's length 10 hours 56 min.  |              |                |   |                      |             |             |
| 2 16   | 7 13         | 2 1/2          | in ☿. ♀ sets 7 8. ☿C.                               | 14 6                 | 32 5        | 28 34       |
| 3 4  | 7 49         | 2 1/2          | h south 11 27. ♀ in ☿                               | 14 6                 | 33 5        | 27 35       |
| 3 56   | 8 33         | 14             | h rises 4 19  | 14 6                 | 34 5        | 26 36       |
| 4 50   | 9 24         | 26             | h stationary. Regulus 11 36                         | 14 6                 | 36 5        | 24 37       |
| 5 46   | 10 24        | 7              | ☿C. ♀ gr. hb. E. ☿C.                                | 15 6                 | 37 5        | 23 38       |
| 6 42   | 11 33        | 21             | 22. ♀ in per. ♀ station. any.                       | 15 6                 | 38 5        | 22 39       |
| 7 37   | morn.        | 6              | h south 9 40. ☿C.                                   | 15 6                 | 39 5        | 21 40       |
| Day after Trinity. Matt. 22. Day's length 10 hours 38 min. |              |                |   |                      |             |             |
| 8 31   | 12 45        | 19             | sets 7 5  | 15 6                 | 41 5        | 19 41       |
| 9 24   | 1 33         | 1 1/2          | rises 4 1   | 15 6                 | 42 5        | 18 42       |
| 10 16  | 2 26         | 15             | ☿C. stationary                                      | 15 6                 | 43 5        | 17 43       |
| 11 9   | 3 50         | 28             | in ☿C. Astartes south 11 13                         | 15 6                 | 44 5        | 16 44       |
| morn.  | rises        | 10             | 28. ♀ gr. hb. west. ♀ sets 5 59                     | 15 6                 | 45 5        | 15 45       |
| 12 3   | 5 50         | 23             | h south 10 41                                       | 16 6                 | 47 5        | 13 46       |
| 12 59  | 6 29         | 8              | h south 9 38  | 16 6                 | 48 5        | 12 47       |
| Day after Trinity. John 4. Day's length 10 hours 22 min.   |              |                |   |                      |             |             |
| 1 57   | 7 13         | 20             | Hamel south 11 25                                   | 16 6                 | 49 5        | 11 48       |

October has 31 Days.

MOON'S PHASES.

Last Quarter, the 8th, at 1 o'clock 44 minutes in the morning.  
New Moon, the 14th, at 3 o'clock 13 minutes in the morning.  
First Quarter, the 22d, at 2 o'clock 3 minutes in the morning.  
Full Moon, the 28th, at 5 o'clock 7 minutes in the evening.

Conjecture of the Weather.

1, 2, 3, rainy; 4, cloudy; 5, 6, 7, fair and frosty; 8, 9, 10, clear; 11, 12, misty; 13, 14, 15, clear and cold; 16, 17, misty; 18, 19, cloudy; 20, 21, 22, stormy; 23, 24, 25, frosty; 26, 27, 28, warm and fair; 29, 30, 31, clear.  
Saturn (♄) is in opposition with the Sun on the 18th and shines all night.

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GRIFFITH & TURNER CO., G

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U. S. CREAM SEPARATOR

Does what is claimed for it are made that it won't fit 131 you have found out a

See top of Page 28.

# NOVEMBER, 11th Month.

| rise<br>y. | Moon<br>South,<br>h. m. | Moon's<br>r. & s.<br>h. m. | Moon's<br>sig. deg. | Aspects of Planets, and other<br>subsidaneous matter. | Sen<br>fast<br>m. h. | Sen<br>rises,<br>h. m. | Sen<br>sets,<br>h. m. |
|------------|-------------------------|----------------------------|---------------------|---|----------------------|------------------------|-----------------------|
| Scants     | 2 5                     | 8 15                       | ☾                   | 7 8 gr. Hel. Lat. north                               | 16 6                 | 5 15                   | 9 19                  |
| Souls      | 3 56                    | 9 5                        | ☾                   | 19 4 1/2 gr. libration west                           | 16 6                 | 5 25                   | 8 20                  |
| ophilus    | 4 53                    | 10 8                       | ☾                   | 0 2 1/2 rises 3 53                                    | 16 6                 | 5 35                   | 7 21                  |
| lotte      | 5 47                    | 11 11                      | ☾                   | 13 4. h south 10 15                                   | 16 6                 | 5 45                   | 6 22                  |
| chi        | 6 36                    | morn.                      | ☾                   | 26 7* rises 5 30                                      | 16 6                 | 5 55                   | 5 23                  |
| ard        | 7 22                    | 12 15                      | ☾                   | 7 2 gr. Hel. Lat. south                               | 16 6                 | 5 65                   | 4 24                  |

Day after Trinity. Matt. 18. Day's length 10 hours 6 min.

|        |       |       |   |                             |      |      |      |
|--------|-------|-------|---|-----------------------------|------|------|------|
| evert  | 8 5   | 12 45 | ☾ | 20 2 south 8 44             | 16 6 | 5 75 | 3 25 |
| rey    | 8 46  | 1 42  | ☾ | 6 9 sets 7 15               | 16 6 | 5 85 | 2 26 |
| dore   | 9 25  | 2 41  | ☾ | 19 19 in apo. ☽ 24          | 16 6 | 5 95 | 1 27 |
| ather  | 10 5  | 3 39  | ☾ | 5 2 1/2 rises 3 18          | 15 7 | 0 5  | 0 28 |
| in, Bp | 10 46 | 4 28  | ☾ | 18 18 ☽. Sirius rises 10 36 | 15 7 | 1 4  | 5 29 |
| bert   | 11 28 | sets  | ☾ | 0 12. h south 9 42          | 15 7 | 3 4  | 5 30 |
|        | Ev 13 | 5 19  | ☾ | 13 Hamel south 10 32        | 15 7 | 4 4  | 5 31 |

Day after Trinity. Matt. 22. Day's length 9 hours 50 min.

|      |      |       |   |                          |      |      |      |
|------|------|-------|---|--------------------------|------|------|------|
| ld   | 1 1  | 5 51  | ☾ | 27 2 south 8 22. ☽ in ☽  | 15 7 | 5 4  | 5 55 |
| arus | 1 52 | 6 29  | ☾ | 10 Algal south 11 24     | 15 7 | 6 4  | 5 4  |
| us   | 2 46 | 7 35  | ☾ | 23 29 ☽. ♀ sets 7 32     | 15 7 | 7 4  | 5 3  |
| us   | 3 41 | 8 28  | ☾ | 9 24 ☽. ♀ rises 2 54     | 14 7 | 8 4  | 5 2  |
| beth | 4 36 | 9 29  | ☾ | 22 22 gr. libration east | 14 7 | 8 4  | 5 2  |
|      | 5 31 | 10 31 | ☾ | 8 Altair south 10 34     | 14 7 | 9 4  | 5 1  |
|      | 6 23 | 11 41 | ☾ | 20. h south 9 9          | 14 7 | 10 4 | 5 0  |

Day after Trinity. Matt. 9. Day's length 9 hours 38 min.

|       |       |        |   |                                |      |      |     |
|-------|-------|--------|---|--------------------------------|------|------|-----|
| 7. M. | 7 14  | morn.  | ☾ | 2 2 south 8 1                  | 14 7 | 11 4 | 4 9 |
| a     | 8 4   | 12 58  | ☾ | 14 ☽. Capella 17. ☽ ten ☽      | 13 7 | 12 4 | 4 8 |
| nt    | 8 55  | 1 32   | ☾ | 27 29 H. ☽ h ☽ at 9 45         | 13 7 | 13 4 | 4 7 |
| gons  | 9 47  | 2 39   | ☾ | 11 8 in ☽. ♀ sets 7 38         | 13 7 | 14 4 | 4 6 |
| ibe   | 10 41 | 3 59   | ☾ | 23 23 in per. Rigel rises 7 31 | 12 7 | 15 4 | 4 5 |
| l     | 11 38 | 5 14   | ☾ | 10 24 rises 2 25               | 12 7 | 16 4 | 4 4 |
| plut  | morn. | Drises | ☾ | 22 27. ☽ visible. ☽ in ☽       | 12 7 | 16 4 | 4 4 |

Day in Advent. Matt. 21. Day's length 9 hours 26 min.

|      |       |      |   |                       |      |      |     |
|------|-------|------|---|-----------------------|------|------|-----|
| rus  | 12 37 | 5 49 | ☾ | 9 h south 8 36        | 12 7 | 17 4 | 4 3 |
| us   | 1 38  | 6 46 | ☾ | 21 Arietis south 9 36 | 11 7 | 17 4 | 4 3 |
| drau | 2 38  | 7 48 | ☾ | 6 1/2 ☽. ♀ sets 7 45  | 11 7 | 18 4 | 4 2 |

November has 30 Days.

### MOON'S PHASES.

Last Quarter, the 4th, at 4 o'clock 37 minutes in the evening.  
New Moon, the 12th, at 9 o'clock 18 minutes in the evening.  
First Quarter, the 20th, at 12 o'clock 29 minutes at noon.  
Full Moon, the 27th, at 3 o'clock 51 minutes in the morning.

### Conjecture of the Weather.

1, 2, fair; 3, 4, 5, mild; 6, 7, 8, cloudy with rain; 9, 10, 11, cloudy; 12, 13, 14, variable; 15, 16, 17,



clear; 18, 19, 20, fair and cold; 24, 25, cloudy; 26, 27, snow warmer.

## COURTS IN MARYLAND.

### COURT OF APPEALS.

HON. A. HUNTER ROYD, Chief Justice, from Fourth Judicial Circuit.  
HON. W. M. H. THOMAS, Associates J.  
HON. J. P. BRIDGES, Associate J.  
HON. S. P. HARRIS, Associate J.  
HON. SAMUEL D. SCHMIDT, Associate J.

### CIRCUIT COURTS.

**First Judicial Circuit.**—Hon. W. Laird Henry, Chief Judge; Hon. Chas. F. Holland and Hon. Robley D. Jones, Associate Judges. Worcester, Somerset, Dorchester and Wicomico. **Second Circuit.**—Snow Hill—31 Mondays in Jan., May and July, and 4th Monday in Oct. **Third Circuit.**—Princess Anne—21 Mondays in Jan., April, July and Oct. **Fourth Circuit.**—Cambridge—4th Mondays in Jan., April and July, and 2d Monday in Nov. **Fifth Circuit.**—Salisbury—1st Mondays in Jan. and July, and 4th Mondays in March and Sept. **Sixth Circuit.**—Frederick—1st Mondays in Jan., April, July and Oct. **Seventh Circuit.**—Hagerstown—2d Mondays in Jan., April, July and Oct. **Eighth Circuit.**—Chestertown—3d Mondays in Jan., April and Oct., and 2d Monday in Nov. **Ninth Circuit.**—Kent—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Tenth Circuit.**—Queen Anne's—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Eleventh Circuit.**—Eastern Shore—1st Monday in July. **Twelfth Circuit.**—Chesapeake—1st Monday in March, 3d Monday in May and Nov., and 4th Monday in July. **Thirteenth Circuit.**—Talent—2d Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Fourteenth Circuit.**—St. Mary's—1st Monday in July and Oct., and 2d Monday in March and Sept., and 1st Monday in Nov. **Fifteenth Circuit.**—St. Charles—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Sixteenth Circuit.**—St. James—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Seventeenth Circuit.**—St. John's—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Eighteenth Circuit.**—St. Luke's—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Nineteenth Circuit.**—St. Paul's—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Twentieth Circuit.**—St. Peter's—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Twenty-first Circuit.**—St. Thomas—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Twenty-second Circuit.**—St. Vincent—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Twenty-third Circuit.**—St. George—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Twenty-fourth Circuit.**—St. Andrew—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Twenty-fifth Circuit.**—St. Nicholas—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Twenty-sixth Circuit.**—St. Gabriel—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Twenty-seventh Circuit.**—St. Raphael—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Twenty-eighth Circuit.**—St. Elizabeth—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Twenty-ninth Circuit.**—St. Anne—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Thirtieth Circuit.**—St. Margareta—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Thirty-first Circuit.**—St. Catherine—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Thirty-second Circuit.**—St. Barbara—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Thirty-third Circuit.**—St. Ursula—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Thirty-fourth Circuit.**—St. Agatha—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Thirty-fifth Circuit.**—St. Lucia—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Thirty-sixth Circuit.**—St. Martina—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Thirty-seventh Circuit.**—St. Theresia—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Thirty-eighth Circuit.**—St. Agnes—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Thirty-ninth Circuit.**—St. Cecilia—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Fortieth Circuit.**—St. Dorothea—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Forty-first Circuit.**—St. Euphemia—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Forty-second Circuit.**—St. Sophia—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Forty-third Circuit.**—St. Procula—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Forty-fourth Circuit.**—St. Anastasia—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Forty-fifth Circuit.**—St. Agathe—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Forty-sixth Circuit.**—St. Verónica—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Forty-seventh Circuit.**—St. Eudocia—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Forty-eighth Circuit.**—St. Anastasia—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Forty-ninth Circuit.**—St. Thekla—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June. **Fiftieth Circuit.**—St. Susanna—1st Monday in Jan., 1st Monday in April and Oct., and 4th Monday in June.

## U. S. CREAM SEPARATOR

Is built by a Company the reputation and guarantee with farmers over thirty years.

See top of Page 28.

DECEMBER, 12th Month.

| Day  | Moon South, h. m. | Moon's P. & S. h. m. sig. dir. | Aspects of Planets, and other miscellaneous matter. | Sun East rises, h. m. | Sun Sets, h. m. | Sun Sets, h. m. |
|--|-------------------|--------------------------------|---|-----------------------|-----------------|-----------------|
| us   | 3 35              | 8 54                           | 22 D gr. libration west                             | 11 17                 | 19 44           | 11 18           |
| us   | 4 28              | 10 2                           | 7 gr. elong. east 47° 18'                           | 10 7                  | 19 44           | 11 19           |
| us   | 5 16              | 11 4                           | 20 ☽☽ superior                                      | 10 7                  | 20 40           | 20              |
| a  | 6 1               | morn. 2                        | 4. b south 8 12                                     | 10 7                  | 20 40           | 21              |
| <i>in Advent. Luke 21. Day's length 9 hours 18 min.</i>  |                   |                                |   |                       |                 |                 |
| 1  | 6 43              | 12 5                           | 15 gr. in Aph. ♄ rises 10 29                        | 9 7                   | 21 4            | 39 22           |
| chol.  | 7 23              | 12 38                          | 29 ☽☽ ♃ rises 1 53                                  | 9 7                   | 22 4            | 38 23           |
| m  | 8 3               | 1 31                           | 11 D in apo. Castor so. 2 26                        | 8 7                   | 22 4            | 38 24           |
| Mary   | 8 43              | 2 28                           | 24 ♀ sets 1 24                                      | 8 7                   | 22 4            | 38 25           |
| m  | 9 24              | 3 28                           | 9 ♀ sets 7 58                                       | 7 7                   | 23 4            | 37 26           |
| m  | 10 9              | 4 28                           | 23 Procyon south 2 21                               | 7 7                   | 23 4            | 37 27           |
| as   | 10 56             | 5 19                           | 8 b south 7 44. ♃ in ☽                              | 7 7                   | 23 4            | 37 28           |
| <i>in Advent. Math. 11. Day's length 9 hours 12 min.</i> |                   |                                |   |                       |                 |                 |
| 1  | 11 46             | 5 20                           | 12. b sets 1 53                                     | 6 7                   | 24 4            | 36 29           |
| Ev   | 40 5              | 14 49                          | 7 ☽☽. ♃ rises 1 30                                  | 6 7                   | 24 4            | 36 30           |
| is   | 1 36              | 5 49                           | 19 ♀ in ☽. ☽☽. Alcaz south                          | 5 7                   | 24 4            | 36 31           |
| DAY  | 2 32              | 7 12                           | 0 D gr. lib. east. ♀ sets 1 1                       | 5 7                   | 25 4            | 35 2            |
| is   | 3 27              | 8 23                           | 12 ☽☽. ♀ sets 8 5                                   | 4 7                   | 25 4            | 35 3            |
| s  | 4 20              | 9 32                           | 24 Pollux south 1 59                                | 4 7                   | 25 4            | 35 4            |
| us   | 5 11              | 10 44                          | 8 Hamel south 8 14                                  | 3 7                   | 25 4            | 35 5            |
| <i>in Advent. John 1. Day's length 9 hours 10 min.</i>   |                   |                                |   |                       |                 |                 |
| un   | 6 0               | 11 55                          | 22 ☽ 19. Sirius rises 7 47                          | 3 7                   | 25 4            | 35 6            |
| n  | 6 49              | morn. 7                        | b stationary  | 2 7                   | 25 4            | 35 7            |
| omas   | 7 38              | 12 58                          | 19 ☽☽. b sets 1 20                                  | 2 7                   | 25 4            | 35 8            |
| ert  | 8 29              | 1 42                           | 1 ☽ enters ☽. Winter begins. Shortest day.          | 1 7                   | 26 4            | 34 9            |
| Eve  | 9 23              | 2 54                           | 14 D in per. ♀ sets 8 17                            | 1 7                   | 25 4            | 35 10           |
| MAS  | 10 20             | 4 9                            | 28 ♀ sets 12 59. ♃ in ☽                             | 0 7                   | 25 4            | 35 11           |
| ter Christmas.   | 11 19             | 5 24                           | 10 gr. Hel 1st. south                               | 0 7                   | 25 4            | 35 12           |
| <i>in Advent. Luke 2. Day's length 9 hours 10 min.</i>   |                   |                                |   |                       |                 |                 |
| n  | morn. 12 20       | 5 28                           | 23 ☽ 26. ♃ rises 12 48                              | 0 7                   | 25 4            | 35 13           |
| oc.  | 1 19              | 6 34                           | 8 ☽☽. 7* south 9 15                                 | 0 7                   | 25 4            | 35 14           |
| ern.   | 2 15              | 7 42                           | 22 ☽☽. b sets 12 50                                 | 1 7                   | 25 4            | 35 15           |
| er   | 3 6               | 8 45                           | 7 Aldebaran south 9 54                              | 1 7                   | 24 4            | 36 16           |
|  | 3 5               | 9 52                           | 1 ♀ sets 8 12                                       | 2 7                   | 24 4            | 36 17           |
|  |                   |                                | 6 ♀ b. ♀ sets 12 48                                 | 2 7                   | 24 4            | 36 18           |

December has 31 Days.

MOON'S PHASES.

Last Quarter, the 4th, at 11 o'clock 12 minutes in the forenoon.  
New Moon, the 12th, at 2 o'clock 58 minutes in the afternoon.  
First Quarter, the 19th, at 9 o'clock 17 minutes in the evening.  
Full Moon, the 26th, at 4 o'clock 29 minutes in the evening.

Conjecture of the Weather.

1, 2, clear; 3, 4, 5, windy; 6, 7, 8, fair and cold; 9, 10, misty; 11, 12, 13, snowy; 14, 15, mild; 16, 17, 18, fair; 19, 20, rain; 21, 22, 23, 24, 25, fair and cold; 26, 27, windy; 30, 31, cold.



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**FIG. A**  
JANESVILLE DOUBLE ROW CORN PLANTER

**FIG. B**  
ALABAMA GASOLINE PUMP GAS ENGINE

**FIG. C**

**FIG. D**  
GAYWOOD SINGLE WHEEL GARDEN CULTIVATOR

**FIG. E**

**FIG. F**

**FIG. G**  
MOWER

**FIG. H**  
MOWER

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Baltimore Double-Wheel Garden Cultivator, \$5.00  
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See top of Page 28.



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| 36-inch Acme Lawn Gate, 3 feet wide | \$3.00            |
| 42-inch " " " " " "                 | 3.25              |
| 12-inch Flower Bed Guard.....       | 10 cents per foot |

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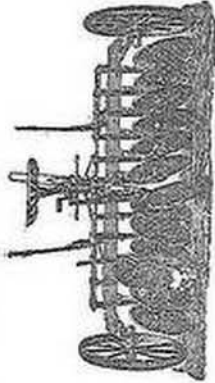
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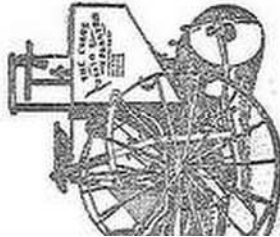
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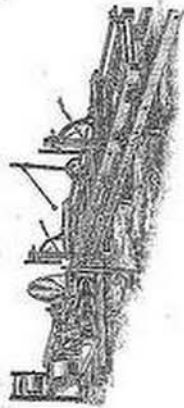
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# Money-Making Machir

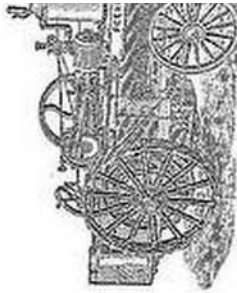
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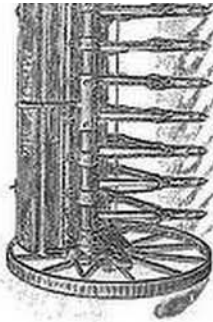
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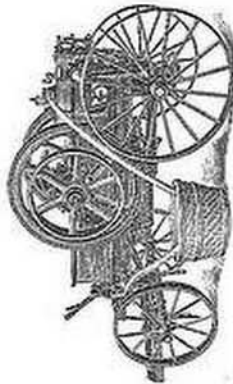
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